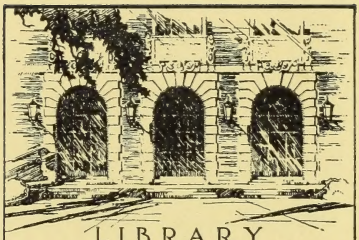

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EVANSTON

E. R. Green

CHICAGO

BULLETIN OF NORTHWESTERN UNIVERSITY

ANNUAL CATALOGUE 1908-1909

VOLUME VIII
NUMBER 6 - DECEMBER
1908

BULLETIN OF

NORTHWESTERN UNIVERSITY

ANNUAL CATALOGUE

1908-1909

EVANSTON AND CHICAGO
PUBLISHED BY THE UNIVERSITY
DECEMBER, 1908

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CALENDAR

College Year 1908-1909

Sept. 21, Mon.	Academic year 1908-1909 begins.
Sept. 22, Tue.	Examinations for admission to regular courses; School of Music.
Sept. 24, Thu.	First quarter begins; School of Music.
Sept. 28, Mon.	Examinations for admission; College of Liberal Arts.
Sept. 28, Mon.	First day of registration; College of Liberal Arts, Law School, College of Engineering, School of Pharmacy.
Sept. 29, Tue.	Registration day for applicants for advanced standing; Law School.
Sept. 30, Wed.	Second examinations; College of Liberal Arts.
Sept. 30, Wed.	Registration day for second and third year students and special students; Law School.
Sept. 30, Wed.	Lectures begin; School of Pharmacy.
Oct. 1, Thu.	Lectures and class work begin: College of Liberal Arts, Law School, College of Engineering.
Oct. 2, Fri.	Examinations for conditioned students begin; Medical School.
Oct. 5, Mon.	Examinations for admission; Medical School.
Oct. 6, Tue.	Examinations for admission; Dental School.
Oct. 6, Tue.	Class work begins; Medical School, Dental School, School of Commerce.
Oct. 9, Thu.	Examinations for advanced standing; Dental School.
Oct. 10, Sat.	Last day of registration for advanced degrees; College of Liberal Arts.
Nov. 26, Thu.	Thanksgiving recess, to November 29, Sunday, inclusive.
Nov. 30, Mon.	Second quarter begins; School of Music.
Dec. 2, Wed.	Last day for filing titles of theses for advanced degrees; College of Liberal Arts.
Dec. 19, Sat.	Christmas recess begins; School of Pharmacy.
Dec. 23, Wed.	Christmas recess, to Monday, January 4, inclusive.

1909

Jan. 4, Mon.	Class work begins; Medical School, School of Pharmacy, Dental School, School of Commerce.

Jan.	5, Tue.	Class work resumed; College of Liberal Arts, Law School, College of Engineering, School of Music.
Jan.	8, Fri.	Last day for presentation of orations for the Kirk Prize.
Jan.	14, Thu.	Alumni Clinic; Dental School.
Jan.	15, Fri.	Intercollegiate Debate.
Jan.	25, Mon.	Mid-year examinations begin; Medical School.
Jan.	27, Wed.	Mid-year examinations begin; Dental School.
Jan.	28, Thu.	Founders' Day.
Jan.	28, Thu.	Lectures close; Law School.
Jan.	29, Fri.	Examinations begin; Dental School.
Feb.	1, Mon.	Mid-year examinations begin; Law School.
Feb.	1, Mon.	Second semester begins; Medical School.
Feb.	3, Wed.	Mid-year examinations begin; College of Liberal Arts, College of Engineering.
Feb.	8, Mon.	Second semester begins; Law School, Dental School, School of Commerce.
Feb.	11, Thu.	Additional examinations; College of Liberal Arts.
Feb.	11, Thu.	Third quarter begins; School of Music.
Feb.	12, Fri.	Second semester begins; College of Liberal Arts, College of Engineering.
Feb.	15, Mon.	Second examinations; College of Liberal Arts.
Feb.	16, Tue.	Class work resumed; College of Liberal Arts, College of Engineering.
Feb.	19, Fri.	Sargent Prize Contest; College of Liberal Arts.
Feb.	22, Mon.	Washington's Birthday.
Mar.	5, Fri.	Kirk Prize Contest.
Apr.	6, Tue.	Examinations begin; School of Pharmacy.
Apr.	6, Tue.	Easter recess, to Sunday, April 11, inclusive; Course for Pharmaceutical Chemist.
Apr.	9, Fri.	Easter recess, to Monday, April 12, inclusive; College of Liberal Arts, Medical School, College of Engineering, School of Music.
Apr.	12, Mon.	Second examinations; College of Liberal Arts.
Apr.	12, Mon.	Work resumed; Course for Pharmaceutical Chemist.
Apr.	14, Wed.	Commencement, Graduate in Pharmacy Course, and Alumni Banquet; School of Pharmacy.
Apr.	15, Thu.	Fourth quarter begins; School of Music.
Apr.	23, Fri.	Towle Prize Debate; Law School.
May	1, Sat.	Last day for presentation of Harris Prize theses, and of theses for the Orrington Lunt Prize; College of Liberal Arts.
May	8, Sat.	Last day for presentation of theses for advanced degrees; College of Liberal Arts.

May 14, Fri. Senior examinations begin; Law School,
May 18, Tue. Senior examinations begin; Dental School.
May 20, Thu. Senior lectures close; Law School.
May 22, Sat. Oral examinations of candidates for advanced degrees; College of Liberal Arts.
May 24, Mon. Examinations begin; Medical School.
May 25, Tue. Examinations begin; Dental School.
May 27, Thu. Annual alumni meeting and banquet; Law School.
May 27, Thu. Lectures close; School of Commerce.
May 29, Sat. Inter-Scholastic Track and Field Meet; Evanston.
May 29, Sat. Alumni-Senior Concert; School of Music.
May 31, Mon. Alumni Banquet; Medical School.
May 31, Mon. Senior Examinations begin, Pharmaceutical Chemist Course; School of Pharmacy.
June 2, Wed. Annual Alumni Meeting; Woman's Medical School.
June 4, Fri. Practitioners' summer course begins; Dental School.
June 5, Sat. Lectures close; Law School.
June 6, Sun. Baccalaureate Sermon.
June 7, Mon. Class Day; College of Liberal Arts.
June 8, Tue. Annual Meeting of the Corporation.
June 8, Tue. Alumni Luncheon; College of Liberal Arts.
June 8, Tue. Alumni Clinic and Commencement Dinner; Dental School.
June 8, Tue. Graduating Concert, Diploma course; School of Music.
June 9, Wed. FIFTY-FIRST ANNUAL COMMENCEMENT.
June 10, Thu. Examinations begin; College of Liberal Arts, Law School, College of Engineering.
June 11, Fri. Commencement and Concert, Certificate course; School of Music.
June 15, Tue. Summer vacation begins; College of Liberal Arts, College of Engineering.
June 17, Thu. Summer vacations begins; School of Music.
June 18, Fri. Additional examinations; College of Liberal Arts.
June 19, Sat. Summer vacation begins; School of Pharmacy.
June 22, Tue. Summer School begins; Medical School.
July 3, Sat. Practitioners' Summer course closes; Dental School.
July 31, Sat. Summer School closes; Medical School.

College Year 1909-1910

Sept. 27, Mon. Academic Year 1909-1910 begins.
Sept. 27, Mon. Examinations for admission; College of Liberal Arts, College of Engineering.
Sept. 27. Mon. First day of registration; College of Liberal Arts, Law School, College of Engineering, School of Pharmacy.

Sept. 28, Tue.	Registration day for applicants for advanced standing; Law School.
Sept. 28. Tue.	Examinations for admission; School of Music.
Sept. 29, Wed.	Second examinations; College of Liberal Arts.
Sept. 29, Wed.	Registration day for second and third year students and special students; Law School.
Sept. 29, Wed.	Lectures and class work begin; School of Pharmacy.
Sept. 30, Thu.	Class work begins; College of Liberal Arts, Law School, College of Engineering, School of Pharmacy, School of Music.
Oct. 1, Fri.	Examinations for conditioned students; Medical School.
Oct. 4. Mon.	Examinations for admission; Medical School.
Oct. 4, Mon.	Registration begins; School of Commerce.
Oct. 5, Tue.	First semester begins; Medical School, Dental School.
Oct. 6, Wed.	Formal opening; School of Commerce.
Oct. 7, Thu.	Class work begins; School of Commerce.
Oct. 11. Mon.	Last day for registration for advanced degrees; College of Liberal Arts.
Nov. 25. Thu.	Thanksgiving recess, to Sunday, November 28, inclusive.
Nov. 29, Mon.	Second quarter begins; School of Music.
Dec. 1, Wed.	Last day for filing titles of theses for advanced degrees; College of Liberal Arts.
Dec. 20, Mon.	Christmas vacation begins; School of Pharmacy.
Dec. 23, Thu.	Christmas vacation, to Monday, January 3, inclusive.

1910

Jan. 3, Mon.	Class work begins; School of Pharmacy, School of Music, School of Commerce.
Jan. 4, Tue.	Class work begins; College of Liberal Arts, College of Engineering, Dental School.
Jan. 5, Wed.	Class work begins; Law School.
Jan. 7, Fri.	Last day of presentation of orations for the Kirk Prize.
Jan. 11, Thu.	Alumni Clinic; Dental School.
Jan. 24, Mon.	Mid-year examinations begin; Medical School.
Jan. 27, Thu.	Lectures close; Law School.
Jan. 27, Thu.	Mid-year examinations begin; Dental School.
Jan. 28, Fri.	Founders' Day.
Jan. 31, Mon.	Second semester begins; Medical School.
Feb. 2, Wed.	Mid-year examinations begin; College of Liberal Arts, College of Engineering, School of Music.
Feb. 3, Thu.	Second semester begins; Dental School.

Feb. 7. Mon.	Second semester begins; Law School, School of Commerce.
Feb. 10, Thu.	Additional examinations; College of Liberal Arts.
Feb. 10, Thu.	Third quarter begins; School of Music.
Feb. 11, Fri.	Second semester begins; College of Liberal Arts, College of Engineering.
Feb. 18, Fri.	Sargent Prize Contest; College of Liberal Arts.
Feb. 22, Tue.	Washington's Birthday.
Mar. 4, Fri.	Kirk Prize Contest.
Mar. 25, Fri.	Easter recess, to Monday, March 28, inclusive, College of Liberal Arts, Medical School, College of Engineering, School of Pharmacy, School of Music, School of Commerce.
Mar. 28, Mon.	Second examinations; College of Liberal Arts.
Apr. 13, Wed.	Commencement, Graduate in Pharmacy course, Alumni banquet; School of Pharmacy.
Apr. 14, Thu.	Fourth quarter begins; School of Music.
Apr. 22, Fri.	Towle Prize Debate; Law School.
May 2, Mon.	Last day for presentation of Harris Prize theses and of theses for the Orrington Lunt Prize; College of Liberal Arts.
May 14, Sat.	Last day for the presentation of theses for advanced degrees; College of Liberal Arts.
May 17, Tue.	Senior examinations begin; Dental School.
May 20, Fri.	Senior examinations begin; Law School.
May 21, Sat.	Oral examination of candidates for advanced degrees; College of Liberal Arts.
May 23, Mon.	Senior examinations begin; School of Pharmacy.
May 23, Mon.	Examinations begin; Medical School.
May 24, Tue.	Examinations begin; Dental School.
May 26, Thu.	Annual alumni meeting and banquet; Law School.
May 26, Thu.	Lectures close; School of Commerce.
May 28, Sat.	Lectures close; Law School.
May 28, Sat.	Alumni-Senior Concert; School of Music.
May 30, Mon.	Memorial Day.
May 31, Tue.	Alumni Banquet; Medical School.
June 1, Wed.	Summer School begins; Medical School.
June 5, Sun.	Baccalaureate Sermon.
June 6, Mon.	Class Day; College of Liberal Arts.
June 7, Tue.	Annual Meeting of the Corporation.
June 7, Tue.	Alumni Luncheon; College of Liberal Arts.
June 8, Wed.	FIFTY-SECOND ANNUAL COMMENCEMENT.
July 2, Sat.	Last day of Practitioners' Course; Dental School.
July 30, Sat.	Summer School closes; Medical School.

1908

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The University

THE UNIVERSITY

On the last day of May, in the year 1850, there met in the City of Chicago, at the office of Grant Goodrich, 109 Lake Street, near Dearborn, nine men, Richard A. Blanchard, Jabez K. Botsford, Andrew J. Brown, Henry W. Clark, John Evans, Grant Goodrich, Zadoc Hall, Richard Haney, and Orrington Lunt, to consider the founding of a university in the vicinity of Chicago. They agreed that "the interests of Christian learning demand the immediate establishment of a University in the North-West," and appointed a committee to petition the General Assembly for a charter. On January 28, in the next year, 1851, Governor French signed the Act that incorporated Northwestern University under the title of "the Trustees of the Northwestern University." The name of the corporation has since been changed to Northwestern University.

The first Board of Trustees consisted of thirty-six persons, representatives of annual conferences of the Methodist Episcopal Church and citizens of Chicago and vicinity. The corporation as at present constituted consists of thirty-six trustees elected by the Board itself, and two elected by each of four annual conferences of the Methodist Episcopal Church, making a total of forty-four trustees.

The charter provides that a majority of the Board must be members of the Methodist Episcopal Church, and that no particlar religious faith shall be required of those who become students at the institution.

Amendments have provided that other chartered institutions may become departments of the University; that all property of whatever kind or description belonging to or owned by the said corporation shall be forever free from taxation for any and all purposes; that no spirituous, vinous, or fermented liquors shall be sold under license or otherwise, within four miles of the location of the University. The city of Evanston has carefully enforced this last amendment.

After considering several locations in the vicinity of Chicago, the Trustees selected for the University a tract of land on the shore of Lake Michigan, twelve miles north from the heart of Chicago, and covered by an unbroken forest. Here in 1853 the first University building was erected, and about this location has grown up the City of Evanston, a beautiful residential city of twenty thousand inhabitants. The professional departments of Medicine, Law, Pharmacy, Dentistry, and Commerce for the sake of efficiency have been located in the City of Chicago.

THE CORPORATION

OFFICERS

William Deering.....Honorary President
William Fraser McDowell, D.D., LL.D.....President
Oliver Harvey Horton, LL.D.....First Vice-President
Humphreys Henry Clay Miller, A.M.....Second Vice-President
Frank Philip Crandon, A.M.....Auditor and Secretary
John Richard Lindgren.....Treasurer
William Andrew Dyche, A.M..Assistant Secretary, Business Manager

TRUSTEES ELECTED BY THE CORPORATION

Term Expires in 1909

Norman Waite Harris.....Chicago
Nathan Smith Davis, A.M., M.D.....Chicago
John Richard Lindgren.....Chicago
Humphreys Henry Clay Miller, A.M.....Evanston
Elbert Henry Gary.....New York
Milton Hollyday Wilson.....Evanston
Alexander Hamilton Revell.....Chicago
Henry Sherman Boutell, A.M., LL.D.....Chicago
Harry Olson .....Chicago

Term Expires in 1910

Harlow Niles Higinbotham.....Chicago
William Henry Henkle.....Chicago
Stephen Joseph Herben, D.D.....Evanston
Henry Sargent Towle, LL.B.....Chicago
James A. Patten.....Evanston
George Peck Merrick, LL.B.....Evanston
William Liston Brown.....Evanston
Henry Purcell Magill.....Oak Park
Samuel McRoberts .....Chicago

Term Expires in 1911

Oliver Harvey Horton, LL.D.....Chicago
William Deering .....Evanston
Merritt Caldwell Bragdon, A.M., M.D.....Evanston
James Bartlett Hobbs.....Chicago

Frank Philip Crandon, A.M. ..... Evanston
M. Cochrane Armour ..... Evanston
William Andrew Dyche, A.M. ..... Evanston
Perley Lowe ..... Chicago
Alice J. Wilson ..... Evanston
Irwin Rue ..... Evanston

Term Expires in 1912

William Fraser McDowell, D.D., LL.D. ..... Evanston
Charles Pinckney Wheeler, A.M. ..... Evanston
Henry Howard Gage ..... Evanston
John Pollard McWilliams ..... Dwight
Josiah J. Parkhurst ..... Evanston
Cornelia Grey Lunt ..... Evanston
Edward Foster Swift ..... Chicago
Marshall Fuller Holmes ..... Chicago

TRUSTEES ELECTED BY CONFERENCES

Thomas Ransom Strobridge, A.M., D.D., Rock River ..... Manhattan
William Orville Shepard, D.D., Rock River ..... Chicago
William Dawe, D.D., Detroit ..... Ann Arbor
Matthew Chantrill Hawks, D.D., Detroit ..... Ypsilanti
George Rutledge Palmer, A.M., D.D., Central Illinois ..... Onarga
Jacob Wellington Frizzelle, A.M., B.D., Central Illinois ... Kankakee
M. M. Callan, D.D., Michigan ..... Jackson
William R. Pierce, D.D., Michigan ..... St. Joseph

THE GENERAL EXECUTIVE COMMITTEE

M. Cochrane Armour
William Liston Brown
Frank Philip Crandon
Nathan Smith Davis
William Deering
William Andrew Dyche
Henry Howard Gage
Abram Winegardner Harris
Oliver Harvey Horton
John Richard Lindgren
William Fraser McDowell
George Peck Merrick
Humphreys Henry Clay Miller
Josiah J. Parkhurst
James A. Patten
Charles Pinckney Wheeler
Milton Hollyday Wilson

SCHOOLS OF THE UNIVERSITY

The College of Liberal Arts.....*Evanston*
The Medical School.....*Chicago*
The Law School.....*Chicago*
The College of Engineering.....*Evanston*
The School of Pharmacy.....*Chicago*
The Dental School .....*Chicago*
The School of Music.....*Evanston*
The School of Commerce.....*Chicago*
The School of Oratory.....*Evanston*
The Evanston Academy .....*Evanston*
Grand Prairie Seminary.....*Onarga*
The Elgin Academy .....*Elgin*

Schools in Co-operation

Garrett Biblical Institute.....*Evanston*
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GROUNDS, BUILDINGS, AND EQUIPMENT

The University Campus in Evanston has an area of about seventy-five acres and is beautifully situated on the shore of Lake Michigan, about two miles from the northern limits of the city of Chicago. On it are the buildings of the College of Liberal Arts, Garrett Biblical Institute, the Academy, and the Northwestern University School of Oratory. The School of Music and the women's dormitories—Willard Hall, Pearsons Hall, and Chapin Hall—are on Willard Hall Campus, distant from the University Campus about three minutes' walk. The Medical School is in Chicago, between 24th and 25th Streets on Dearborn. The Schools of Law, Pharmacy, Dentistry, and Commerce are in the University Building, at the corner of Lake and Dearborn Streets. A detailed statement of the University buildings is given below.

The College of Liberal Arts

University Hall, a capacious stone structure of attractive architecture, was erected in 1869. It contains the President's office, the administrative offices of the College, the botanical, geological, and zoölogical laboratories, lecture and recitation rooms, and private offices for professors.

Fayerweather Hall of Science, erected in 1886, was the gift of Mr. D. B. Fayerweather, of New York. It is constructed of stone and brick, with terra-cotta trimmings. The front is 130 feet, and the depth 60 feet. At the rear are two wings, extending 54 feet, enclosing a court in which the power house for the building is located. It is divided into two sections, for chemistry and physics, separated by a fireproof wall. The mineralogy section of the museum and the mineralogical laboratories are on the chemistry side of this building.

Orrington Lunt Library is a structure of Bedford limestone, erected in 1893, largely from a gift of Mr. Orrington Lunt, of Evanston, one of the charter members of the Board of Trustees and for some time its president. Its dimensions are 162 feet by 73 feet. The main floor contains a room for book storage, directly connected with a second book-room in the basement, the reading room, and the offices of administration. On the second floor is an auditorium with seating capacity for three hundred persons, a large room occupied by the Art Collection, recently donated to the University by the University Guild, and apartments for class, seminary, and office use. In the third story,

which extends over the central section of the building, and in the well-lighted basement, are rooms used for recitations and for general University purposes.

Dearborn Observatory is a substantial stone building, erected in 1888 through the generosity of Mr. James B. Hobbs, of Chicago, a trustee of the University. Its length from north to south is 81 feet, and its greatest breadth is 71 feet. It includes a dome for the great Equatorial, a Meridian Circle room, a Library, and eight additional rooms, the whole being arranged especially for convenience in carrying on astronomical work.

The great equatorial refracting telescope was made by Alvan Clark and Sons, in 1861. It is fitted with driving clock, micrometer, and other appliances necessary for first-class work. The dimensions of the Equatorial are: diameter of declination circle, 30 inches, reading by vernier to five minutes, and by two microscopes to ten seconds of arc; diameter of hour circle, 22 inches, reading by vernier to single minutes, and by microscopes to single seconds of time; focal length of telescope, 23 feet; aperture to object glass, 18½ inches.

The meridian circle is of the first class, and was constructed in 1867, by Messrs. A. Repsold and Sons. This instrument has an object glass of six French inches aperture, and a divided circle of 40 inches diameter, reading by four microscopes. In plan of construction it is like Bessel's celebrated Königsberg circle by the same makers, but has some recent improvements in the mode of illuminating the field of view, and apparatus for registering declinations. Hough's printing and recording chronographs are used for recording meridian observations and other phenomena.

The Observatory has a chronometer, William Bond and Son, No. 279, and three mercurial pendulum clocks.

Old College was the first building erected by the University. It stood originally on the corner of Hinman Avenue and Davis Street, and for many years was the only building which the University used for educational purposes. It was moved to the Campus in 1871, and was enlarged for the use of the Academy. Since 1899, when the Academy was transferred to Fisk Hall, it has been used for college class-room purposes.

The Swift Hall of Engineering, completed in 1908-1909, is constructed of stone and the lines employed are chaste in the extreme. The first floor includes a large entray hall. The walls are of pressed brick. The piers supporting the ceiling are of stone. The floors are laid with vitrified tile. Directly off this reception hall are entrances to the lecture room, hydraulic laboratory, and offices. Broad and easy stairs lead to respective floors above and below, that accommodate

offices for the faculty; the engine, mechanical and dynamo laboratories; library, drawing rooms, and class rooms. The building is 126 feet wide and 58 feet deep; it is practically four stories in height and modern in every respect. The heating and ventilating are by the blast system, which forces fresh warm air into the building and exhausts foul air.

The building is located on the lake shore east of Orrington Lunt Library, and is the gift of Mrs. Gustavus F. Swift. Its cost was $100,000. The maintenance of the building is endowed to the extent of $50,000 by the joint gift of Mrs. Gustavus F. Swift and Mr. Edward F. Swift.

The Gymnasium provides for indoor athletic sports by the somewhat novel feature of an indoor field. This field is provided with dirt floor surrounded by a ten-lap running track 12 feet wide. The dimensions of the field are 215 by 120 feet, without obstructions, the roof being supported by immense steel arches rising 54 feet at the highest point. Two full-sized baseball diamonds or six tennis courts, placed in this field would still leave space enough for 2,000 spectators if stands were erected along the side walls. The field will be heated in cold weather and will insure opportunity for athletic games and indoor track work at any season of the year.

In addition to the indoor field there is a gymnasium with floor space of 7,200 square feet, fitted with all apparatus necessary for class work. There is a smaller room used for boxing, fencing, wrestling, and exercise on special apparatus. On the south side of the second story are the baths and lockers, and a large rest room for women. A swimming pool, 60 by 25 feet, with complete filter and heating apparatus, provides for aquatic exercise.

A large social room, offices, and coat room; a corridor, 36 feet wide, used as a trophy and social room; and a large kitchen complete the equipment on the second floor. The gymnasium room, the small gymnasium room, and the large social room may be connected and used for banquet halls at pleasure. The main gymnasium floor will accommodate an audience of 1,500.

The Central Heating Plant is on the lake shore near Old College. It has capacity for all the buildings on the lower campus and equipment sufficient to provide for new buildings under consideration.

Northwestern Field was provided as an athletic field at a cost of $25,000, exclusive of the value of the land. It is twelve acres in area, comprising two foot-ball fields, a base-ball diamond, a quarter-mile cinder track with a 200-yard straightaway, and pits for pole vaulting and jumping. The Field House contains dressing quarters and shower baths. The bleachers have a capacity of ten thousand persons.

The Tennis Courts are immediately north of the lower campus.

The Medical School

The Laboratory Building is located on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. It has a frontage of 110 feet, and a depth of 105 feet; is five stories above the basement, and is constructed of cut stone and brick, with terra-cotta trimmings. On the first floor are the amphitheater, pathological museum, and the laboratory of physiology and biology; on the second floor are the laboratories for pathology, bacteriology, hygiene, and clinical pathology; and on the third floor, large laboratories of histology and embryology, with three smaller rooms for original research, equipped with necessary apparatus, a large lecture-room, a room for chemical and physcial apparatus, and the private laboratory of the professor of chemistry. On the fourth floor, one-half of the entire space is occupied by chemical laboratories, and the other half by the laboratory of physiological chemistry and pharmacology, with smaller rooms for research work. On the fifth floor are a dissecting-room, a room for demonstrating surgical operations, and three smaller rooms for special dissections.

Davis Hall was erected in the summer of 1893. On the first floor are the administrative offices and faculty rooms, a large amphitheater, an apothecary's room, an examination room for the director of the dispensary, and suites of rooms for the dispensary departments of medicine, surgery, orthopedics, and genito-urinary surgery. On the second and third floors there are smaller amphitheaters, and suites of rooms equipped for the departments of laryngology, gynecology, neurology, pediatrics, otology, ophthalmology, and dermatology. On the fourth floor are the library and reading-room.

Mercy Hospital accommodates four hundred patients and is directed by The Sisters of Mercy. A large new pavilion has been recently finished in suites of rooms. Every facility for efficient surgical and medical treatment is provided; numerous operating rooms, pathological laboratory, private rooms, and large and small wards. The clinical amphitheater, built by the Medical School, will seat five hundred persons.

The Mercy Hospital Dispensary is a two-story building erected in 1908 to provide for ambulatory patients. Sixteen clinic rooms ensure privacy and thoroughness of examination. In addition to these there are on the main floor a dry room, X-Ray laboratory, a photographic room, with dark-room equipment and office, and a Director's room. On the second floor a large assembly room provides for meetings of Medical Societies.

Wesley Hospital, connected by corridors with Davis Hall, is a modern, well-equipped building containing two hundred twenty-five beds. It is under the patronage of the Methodist Episcopal Church and

is controlled by a local board. It is equipped with laboratories for sterilizing and preparing dressings and instruments, and with amphitheaters, with clinical and pathological laboratories, sunbaths, and suites of private rooms and with commodious, light, and well-ventilated wards.

The Law School, The Dental School, The School of Pharmacy, and The School of Commerce

NORTHWESTERN UNIVERSITY BUILDING, which contains the Law School, the School of Pharmacy, the Dental School, and the School of Commerce, is located at the south-east corner of Lake and Dearborn Streets, Chicago. This property was acquired by the University in 1901 at large cost and was remodeled for the use of these departments. The Chicago office of the President and the office of the Business Manager of the University are in this building. The Law School occupies the entire third floor, containing a floor space of twenty-three thousand square feet. The quarters are commodious and handsomely equipped and include two lecture rooms, a court room, an alumni room, an assembly room, and several studies for students; two hundred lockers, the office rooms and rooms for professors. The library and reading-room occupy five thousand square feet of floor space. The assembly room, a place for rest and conversation, is spacious and well equipped.

The School of Pharmacy occupies the whole of the fourth floor. The Dental School occupies the fifth, sixth, and seventh floors.

The situation of these Schools, in the heart of Chicago, affords unexcelled advantages.

The School of Music

MUSIC HALL is situated on Willard Hall Campus, a short distance west of the University Campus. It was erected as a home for the School of Music in 1897, and is substantially built of stone and brick, with a tile roof, and is finished in pine. The first floor is divided into fourteen teaching and practice rooms, and the office. The second floor contains three class-rooms and a well arranged concert hall, seating over three hundred. The hall is provided with a large stage, dressing-rooms, a grand piano, and a two-manual pipe-organ with pedals. The School of Music uses 37 high-grade pianos for teaching and practice purposes.

The Preparatory Schools

FISK HALL, erected in 1898, the gift of Mr. William Deering, is devoted to the Evanston Academy. It was named in honor of Professor Herbert F. Fisk, Principal of the Academy from 1873 until 1904. The building is a three-story Romanesque structure of brick and terra-cotta, with stone trimmings and a tile roof. It stands at the

south end of the campus with a frontage of 180 feet on Sheridan Road. The woodwork is of quartered oak, and the heating, lighting, and ventilating appointments are excellent.

Hatfield House, the Academy dormitory for boys, erected in 1890, is situated on the University campus. In 1906, through the generosity of Mr. James A. Patten, of Evanston, it was remodeled as a modern and well-equipped dormitory for twenty-five boys. The rooms are in suites, consisting of a study and two well-lighted bed-rooms with wardrobes.

Grand Prairie Seminary, situated at Onarga, Illinois, has three buildings, an Auditorium seating six hundred persons, a Recitation Hall, and a Dormitory for women. The campus on which these buildings are situated consists of about six acres of beautifully shaded ground.

Elgin Academy has two well-constructed buildings, situated in the most elevated portion of the city of Elgin. The main building is a three-story brick structure used for general class-room purposes. Lovell Science Hall was erected in 1888 through the generosity of Mrs. Vincent S. Lovell.

College Dormitories

Willard Hall is a large, substantial edifice containing a chapel and other public rooms, and large private apartments for one hundred twenty women. The rooms are well lighted and well ventilated, cheerful and attractive. The building is provided with fire escapes, and is heated by hot water.

Pearsons Hall and Chapin Hall are brick and stone buildings, convenient and well-furnished homes for women. Each hall affords accommodation for about sixty women. They are under the control of the Woman's Educational Aid Association of Evanston.

Garrett Biblical Institute

Memorial Hall, a handsome building of pressed brick, was erected on the campus for Garrett Biblical Institute in 1887. It contains the library and lecture rooms of the Institute and a chapel with seating capacity for about five hundred. The chapel windows are adorned with elaborate designs in rich cathedral glass, in harmony with the ideal of the hall, which was erected as a memorial to deceased professors of the Institute and of others well known for interest in theological studies. During the summer of 1906 a fire-proof addition was completed for the Archæological Museum, which has been recently endowed.

Heck Hall, a dormitory, was erected in 1867. It is a brick build-

ing, five stories in height, heated by steam and lighted by electricity. The rooms are in suites consisting of study, bed-room, and wardrobe.

The School of Oratory

Annie May Swift Hall was erected during the year 1895. The style of architecture is Venetian. The lower part of the building is of rock-faced Lemont limestone, and the upper stories of buff-colored Roman brick and terra cotta. The floor is of red tile. The building is heated by steam and lighted by electricity. It was named in memory of a deceased daughter of the late Mr. Gustavus F. Swift, of Chicago, a trustee of the University and the largest contributor toward the erection of the building. On the first floor are an auditorium, reading-room, and reception rooms. The second story is divided into fifteen rooms for private instruction. The floors and partitions are deadened by an improved system of construction.

LIBRARIES

The largest library is that of the College of Liberal Arts, contained in the Orrington Lunt Library building on the University campus. While designed especially to meet the needs of the College, this library is at the service of all members of the University. Persons not connected with the University, desiring to use the library for purposes of study, may be granted library privileges if responsibly introduced. The general collection is increasing at the rate of about three thousand volumes a year. The library includes special collections known as the Greenleaf Collection and the Schneider Collection.

The Greenleaf Collection, the gift of the late Mr. Luther L. Greenleaf of Evanston, contains 11,246 bound volumes and a large and valuable assortment of unbound dissertations and monographs, chiefly publications of foreign universities and learned societies. It is unusually complete in Greek and Latin classics, every author being represented by the best editions from the earliest to a recent date. It contains also a choice selection of standard works in German and other Modern languages. In the departments of history, philosophy, theology, and the fine arts, there are many works of unique value.

The Schneider Collection is the German section of the library, added in 1898 through the generosity of German citizens of Chicago, and numbers 2,533 volumes. It includes many first editions of standard authors, original prints from the period of the Reformation, and a large collection of animals. *Musenalmanache* and *Taschenbücher,* of the eighteenth and nineteenth centuries.

The Library of the Medical School, known as the Alumni Library, has been acquired by purchase, and by donations from stu-

dents, alumni, and members of the faculty. It contains a large number of reference books and dictionaries, and all of the larger systems of Medicine and Surgery. Each department of instruction in the School is well represented, and all of the more important recent works in the various departments of instruction are added to the Library as they appear.

The Library of the Law School is centrally located in the rooms of the School. The space devoted to it is divided into large, well ventilated, and well-lighted alcoves, each alcove containing a table and comfortable chairs. The library is well stocked with reports and necessary works of reference, and is being gradually increased. Its equipment makes it pre-eminently adapted to work of investigation. A fuller description of this Library is given on page 190.

The Library of the School of Music is composed of orchestral scores, orchestral parts, four and eight-hand piano arrangements and chorus music in ample quantities to properly conduct the orchestral, chamber music, ensemble, and chorus classes. The music section of the College of Liberal Arts, embracing reference works, general works, and special works on music to the number of 164 volumes is housed in Music Hall, where it is accessible to students of the College of Liberal Arts and of the School of Music.

The Library of Garrett Biblical Institute is in Memorial Hall. It has been collected to meet the needs of theological students, and is well selected and conveniently arranged. A rare collection of Methodist literature, the largest and richest collection in existence, has been given to this library by Mr. William Deering.

The number of bound volumes and pamphlets in the several libraries of the University, June, 1908, was as follows:

	Bound Volumes	Pamphlets
The College of Liberal Arts, including Dearborn Observatory	70,184	47,000
The Medical School	4,900	7,614
The Law School	28,500	500
The School of Pharmacy	1,210	1,460
The Dental School	2,806	16,000
The School of Music	392	1,450
Garrett Biblical Institute	19,913	4,150
	127,905	78,174

Students residing in Evanston have free use of the Evanston Public Library, containing 40,548 volumes. In Chicago students have access to the Chicago Public Library, 352,093 volumes; the John Crerar Library, 228,000 volumes; the Newberry Library, 179,967 volumes; and the Library of the Chicago Historical Society, 50,000 volumes.

MUSEUMS

The Museum of the College of Liberal Arts was for many years the object of special attention on the part of the late Professor Oliver Marcy. It contains many thousand rare and valuable specimens, and is divided into sections as follows: Anthropology, Botany, Geology, Mineralogy, and Zoölogy. The section of Mineralogy is placed in Fayerweather Hall of Science; the other sections, on the fourth floor of University Hall, and in the rooms of the departments of Botany, Geology, and Zoölogy.

The Anthropology Section comprises about 8,000 specimens in aboriginal archæology, and has been developed largely through the interest of Dr. William A. Phillips of Evanston. Primitive ceramic art in the United States is well represented by several hundred specimens from the mounds of Illinois, Wisconsin, Kentucky, and Missouri. Primitive work in stone and copper is represented by large collections from various parts of the United States and from England. During recent years a collection of material from the cliff-dwellings of the pueblos of New Mexico has been added to the Museum.

The Botany Section is made up chiefly of gifts received from alumni and friends of the college and of collections made by students and instructors. It contains about fifteen thousand species. It includes collections made by Robert Kennicott from the Red River of the North; by Vasey from the Rocky Mountains; by Thomas and Bentley, and by I. A. Lapham, from Southern Illinois; also collections from New England and New York, the Lake Superior region, and Cook County, Illinois. The Henry H. Babcock Herbarium, donated in 1887 by Mrs. Mary Keyes Babcock, of Kenilworth, is systematically arranged, handsomely provided with substantial cases, and contains species from all quarters of the globe, in number about five thousand.

The Geology Section contains typical rocks from this country and Europe. These exhibit the variations in structure and texture of the large groups of sedimentary, metamorphic, and igneous rocks, and also show the rock formations in the geological column from the more ancient to the recent rocks. The series of fossils, of plants, and of animals, are quite extensive, containing characteristic fossils of the different geologic periods. The collections that are especially valuable are: 1, Cretaceous and Tertiary fossils, the gift of the Smithsonian Institution; 2, fossils and rocks from the Illinois Geological Survey; 3, Niagara fossils from Chicago and Racine, including type specimens; 4, Illinois Carboniferous flora, largely from Grundy County; 5, miscellaneous specimens from many parts of the world.

The Mineralogy Section contains specimens of most of the mineral and rock species in numbers sufficient to illustrate fully charac-

teristics and occurrence. In addition to the general collection are Ayers loan-collection; additions from the Columbian Exposition, consisting chiefly of mass specimens and illustrations of economic ores; the Tyler collection, containing many crystals, notably good calcites; and a rare collection of azurites and malachites.

The Zoölogy Section contains: 1, with few exceptions, all the mammals, birds, reptiles, and batrachians indigenous to Illinois; 2, all the mammals and birds of the New South Wales exhibit at the Columbian Exposition, the kangaroos and lemurs, the platypus and the echidna, the emu and the cassowary, the rifle-bird, the regent, the lyre-bird, and the apteryx from New Zealand, in all four hundred fifty specimens, a very complete presentation of that strange fauna; 3, a series of corals, and a series of birds from the Philippine Islands, including what is thought to be all the species of cuckoos and parrots for that locality; 4, a series of skeletons, prepared by Ward, including the elephant, the whale, the American crocodile, and skeletons of birds and of fishes; 5, about 30,000 miscellaneous specimens, including large animals such as the moose, the buffalo, the Virginia deer, the white bear, and the reindeer; birds from India, Central America, Brazil, British Guiana, Norway, and Russia; a collection of 15,000 marine and fresh-water shells; a large collection of fish donated by the Smithsonian Institution; fish from Lake Michigan, prepared by Dr. William A. Phillips; and a multitude of low forms of marine life, collected by Professor William North Rice, of Middletown, Connecticut.

The Museum of the Medical School is arranged in the Laboratory Building and contains preparations and specimens illustrative of normal, pathological, and comparative anatomy.

The Museum of the School of Pharmacy, situated on the fourth floor of the University Building in Chicago, is exceptionally complete in exhibits of drugs, chemicals, preparations, and apparatus.

The Museum of the Dental School includes: 1, specimens to illustrate comparative anatomy, heads, with the teeth, of fish, reptiles, saurians, and of the several orders of mammals; 2, an exceptionally complete and valuable set of specimens of the human skull, with dissections in a series showing the development of the teeth and the roots from the first appearance to the adult; 3, a large collection of abnormal formations of the human teeth, collected by students, by alumni, and by members of the dental profession.

MISCELLANEOUS INFORMATION

PRESIDENTS OF THE UNIVERSITY

Clark Titus Hinman, D.D., President.....1853-1854
Henry Sanborn Noyes, A.M., Acting-President.....1854-1855
Randolph Sinks Foster, D.D., LL.D., President.....1855-1860
Henry Sanborn Noyes, A.M., Acting-President.....1860-1867
David Hilton Wheeler, D.D., Acting-President.....1867-1869
Erastus Otis Haven, D.D., LL.D., President.....1869-1872
Charles Henry Fowler, D.D., LL.D., President.....1872-1876
Oliver Marcy, A.B., LL.D., Acting-President.....1876-1881
Joseph Cummings, D.D., LL.D., President.....1881-1890
Henry Wade Rogers, LL.D., President.....1890-1900
Daniel Bonbright, A.M., LL.D., Acting-President.....1900-1902
Edmund Janes James, Ph.D., LL.D., President.....1902-1904
Thomas Franklin Holgate, Ph.D., LL.D., Acting-President..1904-1906
Abram Winegardner Harris, Sc.D., LL.D., President.....1906-

EQUIPMENT AND EXPENDITURES

The value of buildings and grounds used for educational purposes, including Libraries, Museums, and Sundry Equipments was, June 30, 1908, $3,694,199. The Endowment and Trust Funds, in addition to property, was $4,005,309.

The expenditures of the University for educational purposes were for the year 1907-1908:

University General	$124,432.00
Willard Hall	25,526.00
College of Liberal Arts	169,119.00
Evanston Academy	28,858.00
Hatfield House	4,304.00
School of Music	40,095.00
Northwestern University Building, Chicago	15,571.00
Law School	37,360.00
School of Pharmacy	21,893.00
Dental School	72,770.00
Medical School	77,320.00
	$617,247.00

THE UNIVERSITY GUILD

The University Guild is an association of women, most of them residents of Evanston, who seek to secure for the University valuable works of art and to cultivate, by means of frequent lectures and discussions, artistic taste in matters of common life. The Guild holds monthly meetings in its rooms in Orrington Lunt Library. The Guild rooms are open to the public every Wednesday afternoon throughout the year.

The Art Collection of the Guild, valued at several thousand dollars, includes a fine collection of pottery and porcelain, including handsome specimens of Doulton, Royal Worcester, Wedgewood, Coalport, Elton, Royal Berlin, Royal Copenhagen, Royal Vienna, Hungarian, Russian, Spanish, Royal Sevres, Limoges, Italian, Chinese, Delft, Old Dresden, Bulgarian, Phoenician and East Indian imported ware, and of Rookwood, Grenby, Newcomb, Volkmar, Dedham, Trenton, Middle Lane, Merrimac, Van Briggle and Pauline American ware. There are fifteen speciment of Doulton ware, including the famous Lambeth Faience Vase, six feet three inches in height, and two feet six inches in diameter. There are handsome specimens of French bronze and of Venetian, Bohemian and Tiffany glass. The collection also includes some fine plaster casts presented by the French Government, twenty busts of eminent scholars, Thorwaldsen's Mercury, Venus, Hebe, and the Shepherdess. The nucleus of a choice collection of oil and watercolor paintings, engravings, etchings, photographs, prints, and of miscellaneous articles has been acquired, to which additions are being made from year to year.

The Guild supports scholarships in the University and in the Art Institute of Chicago, gives receptions to eminent scholars who are guests of the various departments of the University, and provides lectures for students. It also maintains a membership in the Municipal Art League of Chicago under which Gallery Tours are conducted through the Art Exhibits. The Guild in 1908 established art courses in the College of Liberal Arts. The instructor is known as the University Guild Instructor in Art. These courses are open to college students and townspeople alike at a nominal fee. See page 117.

NORTHWESTERN UNIVERSITY SETTLEMENT

An association composed of alumni and friends of the University maintains, in Chicago, a social settlement known as the Northwestern University Settlement. The building, at the corner of Augusta and Noble Streets, is held in trust by the University for the use of the Settlement; it is a four-story brick structure, 60 by 78 feet, looking south upon two small gardens and having a space 30 by 78 feet on the north for an auditorium, gymnasium, and baths. On the ground floor are

the kindergarten, club rooms for men, and boiler room. The main floor contains the kitchen, coffee house, reception room, office, and library. Five large connected club rooms, one of which is used as the house dining room, and the domestic science room and the serving room occupy the second floor. The third floor contains rooms for thirteen residents.

The object of the Settlement is the intellectual, social, and religious improvement of the neglected city population. The Settlement is located on the edge of the large Polish quarter of the city, and in the heart of the most densely populated district in Chicago. The resident group is composed of men and women engaged in educational, professional, and public service who wish to live among the people bearing the heaviest burden of the industrial world. Opportunity is here offered to undergraduates for philanthropic work and practical acquaintance with sociological problems.

The plan of work includes classes for instruction, clubs for social improvement, lectures, concerts, house-to-house visitation, legal and medical dispensaries, and the maintenance of an open reading-room.

The general expenses of the Settlement are met by membership subscriptions and voluntary contributions.

A fellowship in the College of Liberal Arts, supported by contributions from student organizations, is awarded to a Northwestern graduate each year. The Fellow lives at the Settlement and tends to keep the student body in touch with the work of the Settlement.

FRATERNITIES AND SORORITIES

With Date of Establishment in the University

PHI BETA KAPPA, Illinois Alpha Chapter....1889
SIGMA XI, Northwestern Chapter....1906
ALPHA OMEGA ALPHA....1903

College of Liberal Arts.

DERU, Senior Fraternity....1896
EPSILON NU, Senior Sorority....1904
SIGMA CHI, Omega Chapter....1869
PHI KAPPA SIGMA, Upsilon Chapter....1872
BETA THETA PI, Rho Chapter....1873
PHI KAPPA PSI, Illinois Alpha Chapter....1878
DELTA UPSILON, Northwestern Chapter....1880
PHI DELTA THETA, Illinois Alpha Chapter....1858
DELTA TAU DELTA, Beta Pi Chapter....1893
SIGMA ALPHA EPSILON, Illinois Psi-Omega Chapter....1894
SIGMA NU, Gamma Beta Chapter....1898
THE WRANGLERS....1904

The Scribblers 1908
The Eclectics 1908
Delta Sigma Rho, Northwestern Chapter 1906
Alpha Phi, Beta Chapter 1881
Delta Gamma, Sigma Chapter 1882
Kappa Kappa Gamma, Upsilon Chapter 1882
Kappa Alpha Theta, Tau Chapter 1887
Gamma Phi Beta, Epsilon Chapter 1888
Pi Beta Phi, Illinois Epsilon Chapter 1894
Delta Delta Delta, Upsilon Chapter 1895
Chi Omega, Xi Chapter 1901
Kappa Delta, Lambda Chapter 1907

The Medical School

Nu Sigma Nu, Zeta Chapter 1891
Phi Rho Sigma, Alpha Chapter 1890
Alpha Kappa Kappa, Xi Chapter 1901
Phi Beta Pi, Theta Chapter 1902

The Law School

The Order of the Coif 1906
Delta Chi, Northwestern Chapter 1893
Phi Alpha Delta, Melville W. Fuller Chapter 1898
Alpha Kappa Phi 1902

The School of Pharmacy

Phi Chi, Beta Chapter 1895
Phi Gamma Sigma, Alpha Chapter 1902

The Dental School

Delta Sigma Delta, Eta Chapter 1891
Psi Omega, Iota Chapter 1896
Xi Psi Phi, Rho Chapter 1900

The School of Music

Alpha Chi Omega, Gamma Chapter 1890
Sigma Alpha Iota, Beta Chapter 1904

The School of Oratory

Zeta Phi Eta 1893
Omega Upsilon 1904

UNIVERSITY PUBLICATIONS

Each School of the University issues a bulletin, one number of which serves as a catalogue. From the office of the President is issued, quarterly, the Alumni News Letter, sent to every alumnus of the University. The Northwestern University Dental Journal is issued

quarterly, and the Illinois Law Review each month. The first is the organ of the Alumni Association of the Dental School. The Illinois Law Review is controlled by an association composed of alumni, members of the Faculty, students of the Law School, and practising lawyers of Chicago. The students of the University publish a tri-weekly, The Northwestern; a literary periodical, the Northwestern Magazine; and an annual known as the Syllabus. The students of the Evanston Academy publish the Academian; the students of the Grand Prairie Seminary, The Seminary Breeze.

PUBLIC LECTURES AND CONCERTS

Many lectures and evening courses and concerts, open to students and to the general public, are given under the auspices of the University or of its various organizations.

Baccalaureate Sermon, 1908.—Rev. William T. McElveen, Ph.D., Pastor of the First Congregational Church, Evanston.

Commencement Address, 1908.—Honorable George Record Peck.

Sermon on All Saints' Observance, 1908.—Rev. William Macafee, D.D.

Sermon on the Day of Prayer for Colleges, 1908.—Bishop William Fraser McDowell, D.D., LL.D.

Annual Address Before the Phi Beta Kappa Society, 1908.—Professor Kirby Flower Smith, Ph.D., of Johns Hopkins University.

The Norman W. Harris Lectures.—These lectures, given annually, are endowed by a gift of Mr. Norman Waite Harris of Chicago. In his letter of gift the donor expressed the desire "that the fund should be used to stimulate scientific research of the highest type and to bring the result of such research before the students and friends of Northwestern University, and through them before the world." The term "scientific research" was used to mean "scholarly investigation in any department of human thought or effort, without limitation to research in the so-called natural sciences, but with a desire that such investigation should be extended to cover the whole field of human knowledge." The lectures given on this foundation are published by the University.

The Third Course of Norman W. Harris Lectures were delivered in December, 1908, by Professor Henry Fairfield Osborn, Sc.D., LL.D., President of the American Museum of Natural History and Professor in Columbia University, on the subject "The Age of Mammals in Europe and America."

Lectures Before the University Guild.—Lectures on art topics are delivered before the members of the University Guild and their

friends. The lectures for 1908-1909 are as follows: A WINTER IN CAIRO AND ON THE NILE, Mr. Lignor Edgar Perara; SPANISH ART, Mr. Ralph Clarkson; TENNYSON, Mrs. Julien E. Hequembourg; ILLUSTRATED LECTURE ON TRAVEL, by Mr. H. H. Kingsley; ART IN BROWNING, by Miss Margaret Baker; READINGS FROM WILLIAM WATSON, by Dr. Frank W. Gunsaulus; LECTURES ON ART APPRECIATION, by Miss Stella Skinner.

LECTURES BEFORE THE SIGMA XI SOCIETY.—Optical and Engineering Problems in the Making of a Large Telescope, by John A. Brashear, Sc.D., LL.D.

LECTURES BEFORE THE ALEPH TETH NUN SOCIETY.—The Democratic Party, by William Jennings Bryan; The Prohibition Party, by Eugene W. Chafin; The Republican Party, by Montaville Flowers.

STUDENT LECTURE COURSE.—A series of five public lectures and concerts given annually under the auspices of the College Young Men's Christian Association.

LECTURES BEFORE THE SCIENCE CLUB.—Astronomical Instruments, by Mr. F. G. Pease of Yerkes Observatory; BRENNAN'S MONO-RAIL CAR, by Professor Henry Crew and Professor R. R. Tatnall; LECTURE ON THE CULTURAL RELATIONS BETWEEN GERMANY AND AMERICA, by Professor Marion D. Learned; TWO LECTURES ON THE EXPANSION OF EUROPE DURING THE MIDDLE AGES, by Charles Raymond Beazley, M.A., Fellow of the Royal Geographical Society.

FOUR LECTURES ON PHYSIOLOGY AND LIFE.—Delivered before the women of the College of Liberal Arts, by Dr. Emma S. Gillmore.

THE ARTISTS' SERIES OF CONCERTS IN THE SCHOOL OF MUSIC.—These concerts are given under the auspices of the School of Music and are open to the public at a small fee. The series for 1908-1909 is as follows: SONG RECITAL by Glenn Hall; SONG RECITAL by Gwillym MILES; PIANO-LECTURE RECITAL by Silas G. Pratt; CHAMBER-MUSIC RECITAL by the Chicago Wood-Wind Quintette, assisted by Professor Arne Oldberg; four CHAMBER-MUSIC RECITALS by the University String Quartette.

LECTURES DELIVERED AT THE MEDICAL SCHOOL.—Dr. Erich von Knaffl-Lenz, M.D., Ph.D., gave an address before the students of the Medical School, April 8, 1908.

LECTURE ON LEGAL TACTICS.—A series of lectures delivered on Monday evenings in Hurd Hall of the Law School Rooms, is open to all persons interested in the practice of law. The series for 1908-1909 is as follows:

QUESTIONS IN FORCIBLE ENTRY AND DETAINER.—John C. Everett, Esq., of the firm of Everett and McGonigle.

FORECLOSURES OF MORTGAGES.—Simeon Straus, Esq., of the firm of Straus and Cahn.

General Taxation.—Frank L. Shepard, Esq., of the firm of Barker, Church, and Shepard.

Personal Injury Practice.—David K. Tone, Esq.

Conservators and Guardians.—Mary M. Bartelme, Public Guardian for Cook County.

Practice in the Juvenile Court.—Timothy D. Hurley, Esq.

Land Condemnation Practice.—Robert Redfield, Esq., of the firm of Tolman, Redfield, and Sexton.

The Lawyers Mistakes as Seen by a Clergyman.—Johnston Myers, Pastor of Immanuel Baptist Church.

Law Office Work and Dealings With Clients.—Redmond D. Stephens, Esq., of the firm of Scott, Bancroft, and Stephens.

Bankruptcy Practice.—Alvin H. Culver, Esq., of the firm of Gridley, Culver, and King.

Railroad Litigation.—Robert J. Carey, Esq., of the firm of Glennon, Carey, Walker, and Howe, General Attorneys for the Lake Shore Railroad.

Appellate Court Practice.—C. LeRoy Brown, Esq., of the firm of Morrison and Brown.

Special Assessments.—George A. Mason, Esq., Assistant Corporation Counsel.

Selection and Management of a Jury.—Luther Laflin Mills, Esq., of the firm of Mills and Mills.

Acquisition and Retention of a Clientage.—Henry R. Baldwin, Esq., of the firm of Jesse A. and Henry R. Baldwin.

Banking and Trust Company Practice.—Louis Boisot, Esq., Trust Officer, First Trust and Savings Bank.

Practice and Pleading Under the Illinois Statutes.—Keene H. Addington, Esq., Reporter of the Illinois Appellate Court and Editor of the Revised Statutes.

Building Contracts and Mechanics' Liens.—Elmer H. Adams, Esq., of the firm of Adams and Froehlich.

Tax Titles.—H. S. Mecartney, Esq., of the firm of Oliver and Mecartney.

Criminal Practice.—James J. Barbour, Esq., First Assistant State's Attorney.

Ways and Manners of Judges. Hon. Oliver H. Horton, formerly Judge of the Circuit Court.

Drafting and Interpretation of Wills.—Lessing Rosenthal, Esq., of the firm of Rosenthal and Hamill.

The Testimony of Experts on Land Values.—Joseph H. Fitch, Esq.

School of Commerce.—Lectures will be delivered by Edward B. Butler, Butler Brothers; George B. Caldwell, Manager, Bond Department, American Trust and Savings Bank; Frederick Adrian Delano, President, Wabash Railroad Company; John Henry Gray, Professor of Economics and Political Science, University of Minnesota; C. F. Hulburd, President, Elgin National Watch Company; Joseph French Johnson, Dean of School of Commerce, New York University; L. Wilbur Messer, General Secretary, Chicago Central Young Men's Christian Association; George E. Roberts, President, Commercial National Banks and Director of the Mint, 1898-1907; William A. Scott, Director of Course in Commerce, University of Wisconsin; Archibald Wilkinson Shaw, Editor and Publisher of "System"; Towner K. Webster, President, Webster Manufacturing Company; Harry A. Wheeler, Chairman, Executive Committee of the Association of Commerce.

College of Liberal Arts

THE COLLEGE OF LIBERAL ARTS

The College of Liberal Arts, the first department of the University to be organized, was opened to students on November 5, 1855. The courses of study are designed to afford a broad and liberal culture without direct reference to a professional career. They constitute a valuable preparation for the study of Law, Medicine, Theology, and other professions, and furnish an equipment for teaching in secondary schools and colleges. The curriculum leads to the degree of Bachelor of Arts, or Science. Courses are offered leading to the degree of Master of Arts, Master of Science, and Doctor of Philosophy.

The site of the College of Liberal Arts is Evanston, next to Chicago, twelve miles north from the business center. The University charter contains a prohibition of saloons within four miles of the campus and the law is enforced. The city is situated on Lake Michigan, is distinguished for its wealth, its beauty, and public spirit, and possesses the academic charm that makes it an ideal college town.

The campus extends for three-quarters of a mile along the shore of the lake, and is bordered by Sheridan Road on the west. On the southern half of the campus—known as the Old Campus—stands the original building, Old College. Near by is University Hall; Fisk Hall, the home of the Academy; Annie May Swift Hall, occupied by the School of Oratory; the old Gymnasium; Fayerweather Hall, used by the departments of Chemistry and Physics; Heck Hall, dormitory for men, and Memorial Hall, both of the Garrett Biblical Institute; Orrington Lunt Library; and Swift Hall of Engineering. On the north campus are Hatfield House, dormitory for men; Dearborn Astronomical Observatory; and the new Gymnasium, now in process of construction. One block west of the campus, on what is known as Willard Hall campus, are Music Hall of the School of Music, and three dormitories for women, Willard Hall, Pearsons Hall, and Chapin Hall. In the extreme southeastern corner of the Old Campus is a building peculiar to Northwestern—the United States Life Saving Station. The crew, composed of students, has a record of thirty years of service. Northwestern Athletic Field, with bleachers and training quarters, is a half-mile to the west of the campus. For a full description of grounds and buildings see page 41.

THE FACULTY

Abram Winegardner Harris, Sc.D., LL.D.....*President*
Daniel Bonbright, A.M., LL.D.....*Dean Emeritus*
Thomas Franklin Holgate, Ph.D., LL.D.....*Dean of the College*

Daniel Bonbright, A.M., LL.D.....*John Evans Professor of Latin Language and Literature*
Herbert Franklin Fisk, D.D., LL.D.....*Professor of Pedagogy*
Robert McLean Cumnock, A.M., L.H.D.....*Professor of Rhetoric and Elocution*
Abram Van Eps Young, Ph.B.....*Professor of Chemistry*
George Washington Hough, A.M., LL.D....*Professor of Astronomy; Director of Dearborn Observatory*
James Taft Hatfield, Ph.D.....*Professor of German Language and Literature*
Charles Beach Atwell, Ph.M.....*Professor of Botany*
Henry Crew, Ph.D.....*Fayerweather Professor of Physics*
J. Scott Clark, A.M., Litt.D.....*Professor of English Language*
Peter Christian Lutkin, Mus.D.....*Professor of Organ, Theory, and Composition*
George Albert Coe, Ph.D.....*John Evans Professor of Moral and Intellectual Philosophy*
Thomas Franklin Holgate, Ph.D., LL.D.....*Henry S. Noyes Professor of Mathematics*
William Albert Locy, Ph.D., Sc.D.....*Professor of Zoölogy*
George Oliver Curme, A.M., Litt.D...*Professor of Germanic Philology*
James Alton James,* Ph.D.....*Professor of History*
Edouard Paul Baillot, L.H.D.....*Professor of Romance Languages*
Amos Williams Patten, A.M., D.D..*Professor of Biblical Instruction*
Ulysses Sherman Grant, Ph.D.*William Deering Professor of Geology*
John Adams Scott, Ph.D..*Professor of Greek Language and Literature Secretary of the Faculty*
Arthur Herbert Wilde, Ph.D.....*Professor of History*
Arthur Charles Lewis Brown, Ph.D.....*Professor of English Literature*
Norman Dwight Harris, Ph.D.....*Professor of European Diplomatic History*

*On leave of absence.

WALTER DILL SCOTT, Ph.D.....*Professor of Psychology*
OLIN HANSON BASQUIN, PhD.....*Associate Professor of Physics*
MARY ROSS POTTER, A.M.....*Dean of Women*
THEODORE WHITTELSEY, Ph.D.....*Associate Professor of Chemistry*
OMERA FLOYD LONG, Ph.D.....*Associate Professor of Latin*
WILLARD EUGENE HOTCHKISS, Ph.D..*Associate Professor of Economics*
DAVID RAYMOND CURTISS, Ph.D...*Associate Professor of Mathematics*
WALTER LICHTENSTEIN, Ph.D.....*Librarian*
ROBERT RICHARDSON TATNALL, Ph.D....*Assistant Professor of Physics*
WALTER LIBBY, Ph.D.....*Assistant Professor of Education*
HAROLD CLARKE GODDARD, Ph.D.*Assistant Professor; English Literature*
LEWIS OSCAR GILLESBY.....*Assistant Professor of Physical Culture and Director of Athletics*
EARL DEAN HOWARD, Ph.D.....*Assistant Professor of Economics*
MURRAY ARNOLD HINES, Ph.D.....*Assistant Professor of Chemistry*
WILLIAM ABBOTT OLDFATHER, Ph.D.....*Assistant Professor of Latin*
GEORG EDWARD.....*Assistant Professor of German*
ROY CASTON FLICKINGER, Ph.D.....*Assistant Professor of Greek*
BERNARD CAPEN EWER, Ph.D.....*Assistant Professor of Philosophy*
GEORGE ROGERS MANSFIELD, Ph.D.....*Assistant Professor of Geology*
LELAND WESLEY IRISH, B.E.....*Assistant Professor of Civil Engineering in the College of Engineering*
JOHN PRICE ODELL,* A.B.....*Instructor in English Language*
ROBERT EDWARD WILSON, Ph.M...*Instructor in Mathematics; Registrar*
EUGENE HOWARD HARPER, Ph.D.....*Instructor in Zoölogy*
JULIUS WILLIAM ADOLPHE KUHNE, A.M.....*Instructor in French*
ALPHONSE DE SALVIO, Ph.D.....*Instructor in Romance Languages*
JAMES CADDELL MOREHEAD, Ph.D.....*Instructor in Mathematics*
FREDERICK SHIPP DEIBLER, A.M.....*Instructor in Economics*
ARTHUR GUY TERRY, Ph.D.....*Instructor in History*
PHILIP HARRY, Ph.D.....*Instructor in French*
FRANK ADOLF BERNSTORFF, A.B.....*Instructor in German*
GEORGE WILEY SHERBURN, A.B.....*Instructor in English Language*
LYNN THORNDIKE, Ph.D.....*Instructor in History*
STANLEY PERKINS CHASE, A.M.....*Instructor in English Literature*
WILLIAM HAWES COGHILL, M.E..*Instructor in Mineralogy and Mining*
RALPH BROWNELL DENNIS, B.L.....*Instructor in Elocution*
WALTER EDWARD ROLOFF, Ph.D.....*Instructor in German*
DAVID HARRISON STEVENS, A.B.....*Instructor in English Language*
EDGAR WHITE BURRILL, A.B.....*Instructor in English Language*
ROBERT LEE MOORE, Ph.D.....*Instructor in Mathematics*
CHARLES ELIJAH DECKER, A.M.....*Instructor in Geology*

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*On leave of absence.

Helen A. S. Dickinson, Ph.D. ..... *Lecturer on the History of Art*
Stella Skinner ..... *University Guild Lecturer on Art Appreciation*

Gretchen Huegin ..... *Tutor in Physical Training*
Clyde Orlando Marietta, A.B. ..... *Tutor in Mathematics*
Gleason Fillmore Starkweather ..... *Assistant in Shopwork*
Lillian Gertrude Huggett, A.B. ..... *Reader in English Literature*
Ralph Emerson Riley ..... *Assistant in Gymnasium*
Effie Jennie Fixen, B.S. ..... *Assistant in Botany*
Virgil Ray Stephens, B.S. *Fellow and Assistant in Vertebrate Zoölogy*
Louis Ernest Hildebrand, A.B. ..... *Demonstrator in Zoölogy*
George Ernest Stanford ..... *Assistant in Physics*
Maurice Connor, A.B. ..... *Assistant in Physical Culture*
Alton Francis Johnston, LL.B. ..... *Assistant in Physical Culture*
Issac Merton Cochran, A.M. ..... *Assistant in Debate*
Daniel Franklin Higgins, Jr., B.S. ..... *Assistant in Geology*
Charles Joseph Kurtz, A.M., M.D. ..... *Demonstrator in Anatomy*

Library Staff

Walter Lichtenstein, Ph.D. ..... *Librarian*
Adaline Maitland Baker, B.L.S. ..... *Head Cataloguer*
Eleanor Frances Lewis, A.B. ..... *Head of Circulating Department*
Eleanor Worthington Falley, B.S. ..... *Ordering Department*
Sadie Abia Thompson, Ph.B. ..... *Circulating Department*
Grace Estelle Lasher, A.B. ..... *Circulating Department*
Ethel Bond, A.B., B.L.S. ..... *Cataloguer*
Lilian Antonia Anderson, A.B. ..... *Circulating Department*

STANDING COMMITTEES OF THE FACULTY

ADMINISTRATION.—Professors Holgate, Bonbright, Clark, Coe, Crew, Grant, Locy, Young; *ex officio,* Professor Wilde, Miss Potter.

BOARD OF EXAMINERS.—Professors Long, Curme, Goddard, Hines, Howard, Dr. Harper, Mr. Kuhne, Dr. Morehead, Mr. Sherburn.

UNDERGRADUATE STUDY.—Professors Young, Clark, Curtiss, Grant, Harris, Hatfield, Long.

ADVANCED STANDING.—Professors Grant, Baillot, Whittelsey.

GRADUATE STUDY.—Professors Locy, Brown, Coe, Curtiss, J. A. Scott.

ADMISSION REQUIREMENTS.—Professors Oldfather, Baillot, Curme, Goddard, Dr. Terry.

DELINQUENT STUDENTS.—Professors Holgate, Oldfather, Whittelsey.

REGISTRATION AND SPECIAL STUDENTS.—Professors Holgate, Tatnall, Mr. Wilson.

ACCREDITED SCHOOLS.—Professors Libby, Atwell, Basquin, Flickinger, Hotchkiss.

ACADEMY.—Professors Wilde, Atwell, Tatnall, Dr. de Salvio, Dr. Terry.

LIBRARY.—Professors Bonbright, Brown, Coe, Crew, Hatfield, Locy, Young.

CHAPEL.—Professors Patten, Ewer, Flickinger.

FELLOWSHIPS AND SCHOLARSHIPS.—Professors Hatfield, Curtiss, Goddard, Grant, Long.

LOAN FUNDS.—Professors Fisk, Gillesby, Hough, Patten.

MUSICAL ORGANIZATIONS.—Mr. Deibler, Professor Edward, Mr. Chase.

SOCIAL LIFE OF STUDENTS.—Professors Clark, W. D. Scott; *ex-officio,* Professors Lutkin, Wilde, Miss Potter.

GYMNASIUM AND PHYSICAL TRAINING.—Mr. Wilson, Mr. Deibler, Dr. Thorndike; *ex officio,* Professor Gillesby.

WILLARD HALL.—Professors W. D. Scott, Howard, Patten.

APPOINTMENTS.—Professors Atwell, Baillot, Basquin, Libby, Oldfather.

INTERCOLLEGIATE DEBATE AND ORATORY.—Professors Harris, Ewer, Hotchkiss.

HEALTH OF STUDENTS.—Professors Holgate, Coe, Miss Potter.

REQUIREMENTS FOR ADMISSION

Candidates for admission to the College of Liberal Arts must be at least sixteen years of age, and must present certificates of scholarship from the last institution which they attended. These certificates must show in detail the studies pursued by the candidate in preparation for College, and should bear the recommendation of the principal for admission to this College.

Blank forms for credentials may be had on application to the Registrar, and should be returned to him, properly filled out, at least one week before the opening of the college year.

Examinations for Admission

The regular examinations for admission to the College of Liberal Arts are held on the first Monday and Tuesday of the college year. The dates for the year 1909 are September 27 and 28. Candidates may be examined and admitted at other times if prepared to enter classes at an advanced point in the regular courses, but they are advised to enter at the beginning of the college year.

The Board of Examiners will accept, in lieu of its own examinations, those conducted by the College Entrance Examination Board. This Board holds examinations in June in Northwestern University Building, Chicago.

Admission by Certificate

Students from an accredited academy or high school may be admitted to college on certificate, without examination, provided they present themselves for admission not later than a year and three months after graduation. The certificate must show that the candidate has met all the preliminary requirements as described below and must bear the principal's signature recommending the candidate for admission. In case the preparation of a student admitted on certificate is found in the first semester to be unsatisfactory, he will be required to complete his preparation in a fitting-school or in such other way as may be designated.

Preliminary Education

Either by examination or by certificate, all candidates must give satisfactory evidence of preparation in the following subjects: (1) All

the units described below under Group A, seven and a half units; (2) Four units from Group B; (3) Three and a half additional units from Groups B and C,—a total of fifteen units.

The unit is a course of study requiring a daily recitation on a prepared subject for a full school year, or a total of not less than one hundred fifty recitations; two hours of laboratory work are counted as the equivalent of one hour of prepared work. It is expected that the work for admission will cover four years in an approved academy or high school.

In special cases, where candidates are unable to meet the requirements relating to specific subjects, but can present the full equivalent of the total requirement, they may by vote of the Faculty or of the Board of Examiners be admitted as regular students; but this regulation will not release a candidate for a degree from any of the studies required for a degree, as described on page 75.

Schedule of Admission Requirements

Candidates for admission must qualify on fifteen units of high school work, as described on the following pages, and distributed as shown below:

	Units
GROUP A.—Required of all candidates.	
English	3
Mathematics	2½
History, Ancient History preferred	1
Science, Physics preferred	1
GROUP B.—Four units required, not less than two units in any one language.	
Greek	2 or 3
Latin	2 to 4
French	2 or 3
German	2 to 4
Spanish	2
GROUP C.—Three and a half units selected from this group and from studies in GROUP B not already presented.	
Advanced Algebra	½
Plane Trigonometry	½
Solid Geometry	½
Physiography	½ or 1
Physics, if not presented in Group B	1
Botany	1
Zoölogy	1
Botany and Zoölogy	1
Chemistry	1
Ancient History, if not presented in Group A	1
Mediaeval and Modern European History	1
English History	½ or 1
American History	½ or 1
Civil Government	½
Political Economy	½ or 1
Manual Training	1

Group A

1. ENGLISH.—The character and amount of preparation required is indicated in the program which follows, but the arrangement of the

work is not prescribed. It is expected that the English work will be distributed over four years of the secondary school course. *Three units.*

(a) LANGUAGE.—Spelling, punctuation, grammar, paragraphing, the fundamental principles of rhetoric, reading, practice in writing compositions based on the student's personal experience. Certificates from accredited schools are expected to contain a statement from the instructor in English that each student, before entering college, has written at least eight exercises of not less than three hundred words each. Descriptions of scenes or objects actually witnessed by the writers, narrations based on personal experiences, and arguments on specific questions will be accepted; rambling expository essays on broad general themes are not acceptable. Students without certificates may present these exercises for inspection by the examiner.

(b) LITERATURE.—The following books are to be read. The student should acquire a knowledge of the subject-matter and of the main facts in the lives of the authors, and should practice writing short compositions on subjects drawn from the reading. 1909-1911:—

I. Two to be selected from: Shakespeare's As You Like It, Henry V, Julius Cæsar, The Merchant of Venice, Twelfth Night.

II. One to be selected from: Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

III. One to be selected from: Chaucer's Prologue; Selections from Spenser's Faerie Queen; Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury, First Series, Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns.

IV. Two to be selected from: Goldsmith's The Vicar of Wakefield Scott's Ivanhoe and Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs. Gaskell's Cranford; Dickens' A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

V. Two to be selected from Irving's Sketch Book; Irving's Life of Goldsmith; Lamb's Essays of Elia; DeQuincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emerson's Essays; Ruskin's Sesame and Lilies.

VI. Two to be selected from: Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa and The Prisoner of Chillon; Palgrave's Golden Treasury, First Series, Book IV, with special attention to Wordsworth, Keats, and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope,

Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

(c) LITERATURE.—The student is expected to make a thorough study of each of the works named below, accompanied by practice in composition. 1909-1911:—

Shakespeare's Macbeth or Julius Cæsar; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America or Washington's Farewell Address and Webster's first Bunker Hill oration; Macaulay's Life of Johnson or Macaulay's Essay on Milton, or Carlyle's Essay on Burns.

2. MATHEMATICS.—It is recommended that the work in Mathematics be extended over at least three years of the high school course, and especially that work be given in this subject in the last year. A good arrangement is as follows: first year, five hours a week, algebra; second year, five hours a week, geometry; fourth year, five hours a week for the first half-year, solid geometry; second half-year, algebra.

(a) ALGEBRA.—Factoring, common divisors and multiples, fractions, simple equations of one or more unknown quantities, involution, evolution, theory of exponents, and radicals. Special attention should be given to the statement of problems in the form of equations. *One unit.*

(b) ALGEBRA.—A review of the previous work and a thorough study of radicals, equations involving radicals, quadratic equations with one or two unknown quantities, and equations solved as quadratics. *One-half unit.*

(c) PLANE GEOMETRY.—A course equivalent to that contained in Holgate's Geometry, with the solution of a large number of exercises and numerical problems. *One unit.*

3. HISTORY.—The requirement is one unit of history, preferably Ancient History, No. 27. If a candidate cannot present a year of Ancient History, he may substitute for it a full unit of History chosen from Nos. 28, 29, and 30, or a year of General History.

4. SCIENCE.—One unit of Science, preferably Physics, No. 23, is required of all applicants. A candidate who cannot present a year of Physics, may substitute for it a year of Biology, No. 24 or 25, or a year of Chemistry, No. 26, or a full year of Physiography, No. 22.

Group B

FOREIGN LANGUAGES.—The candidate is advised to present at least two units of credit in Latin. A single unit of a foreign language will be accepted for entrance credit only on condition that the study of that language be continued through a second year.

6. GREEK (a).—Grammar, White's First Greek Book, or an equivalent. *One unit.*

7. GREEK (b).—Xenophon's Anabasis, Books I, II, and III; Jones' Greek Prose Composition, or an equivalent, thirty lessons. *One unit.*

8. GREEK (c).—Anabasis, Book IV; Prose Composition, lessons thirty to forty; Homer, Iliad, or Odyssey, 1,800 lines. *One unit.*

9. LATIN (a).—Grammar; Cæsar's Gallic War, ten pages, or twenty pages of Viri Romæ, with retranslation of English into Latin. *One unit.*

10. LATIN (b).—Cæsar's Gallic War, four books, completed; Latin Composition. *One unit.*

11. LATIN (c).—Cicero, six orations, including the Manilian Law; Latin Composition. *One unit.*

12. LATIN (d).—Vergil, six books of the Aeneid. It is desired that the student's acquaintance with Vergil be not limited to the requirement. By private reading, as well as by sight reading in class, the Bucolics and a considerable portion of the Aeneid may with much advantage be added to the amount prescribed. *One unit.*

13. FRENCH (a).—Correct pronunciation; elementary grammar, with exercises, including the irregular verbs; the reading of from one hundred fifty to two hundred pages of easy French prose. *One unit.*

14. FRENCH (b).—Elementary grammar completed; easy composition, based upon one of the works read; the reading of two hundred fifty to three hundred pages of French prose. *One unit.*

15. FRENCH (c).—Study of the difficulties of French syntax and idioms; translation into French from text-book and easy original compositions; the reading of not less than six hundred pages of at least five standard authors; ability to take grammatical dictations and to understand and answer questions in French. *One unit.*

16. GERMAN (a).—Pronunciation; the memorizing and use of easy colloquial sentences; the rudiments of grammar, inflection of the articles, ordinary nouns, adjectives, pronouns, weak verbs, and the more usual strong verbs; the use of the more common prepositions; the simpler uses of modal auxiliaries and the elementary rules of syntax and word-order; abundant easy exercises; the reading of from seventy-five to one hundred pages of graduated texts. *One unit.*

17. GERMAN (b).—The reading of from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays; translation into German of matter based upon works read; continued drill upon rudiments of grammar. *One unit.*

18. I. GERMAN (c).—The reading of about four hundred pages of moderately difficult prose and poetry; retranslation into German; gram-

matical drill upon the less usual strong verbs; the use of articles, cases, auxiliaries, tenses and modes, word-order and word-formation. *One unit.*

18. II. GERMAN (d).—The reading of about five hundred pages of good literature in prose and poetry; reference reading upon the lives of the great writers studied; writing in German upon numerous short themes upon assigned subjects; independent translation of English into German. *One unit.*

19. SPANISH (a).—Correct pronunciation; the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs; sufficient translation from English into Spanish to illustrate the principles of grammar; the reading of from one hundred and fifty to two hundred duo-decimo pages of graduated texts. *One unit.*

20. SPANISH (b).—Continued study of grammar and syntax; mastery of the irregular verbs and the use of moods and tenses; advanced composition; the reading of from three hundred to four hundred pages of modern prose from different authors illustrating the tendencies of modern Spanish literature; a unified knowledge of Spanish literature of the nineteenth century. *One unit.*

Group C

21. MATHEMATICS (a).—Algebra, including ratio and proportion, variation, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, introduction to determinants, theory of equations and series, as in Elementary Algebra, or a full equivalent. *One-half unit.*

(b) PLANE TRIGONOMETRY, including the solution of oblique triangles. Consistent employment of ratio definitions of the trigonometric functions and also the ability to verify numerical computations is expected. *One-half unit.*

(c) SOLID GEOMETRY, a course equivalent to that contained in Holgate's Elementary Geometry, including numerous exercises and problems. *One-half unit.*

22. PHYSIOGRAPHY.—The earth as a planet, the atmosphere, the climate, the ocean, and the land. Emphasis should be placed upon the land, especially upon topographic features, their origin and significance. Some recent text-book should form the basis for the course, and it should be supplemented by a large amount of laboratory work. *One-half unit* or *one unit.*

23. PHYSICS.—A course equivalent to that contained in Millikan and Gale's First Course in Physics. The candidate must present evidence of familiarity with the general principles of physical science, especially the simpler principles and phenomena which are constantly

illustrated in daily life, such as the pendulum, hydrostatics, water waves, pitch and intensity of sound, heat conduction, boiling, freezing, simple lenses, mirrors, prisms, magnets, lines of force, voltaic cells, galvanometers. It is also required that a course of laboratory work shall have been pursued in connection with the text-book, equivalent to at least forty exercises from Crew and Tatnall's Laboratory Manual of Physics, and that accurate notes descriptive of the experiments shall have been kept. *One unit.*

24. Botany.—The study of plants as living organisms, with special regard to function, structure, and relation to environment. Each recitation or quiz period should be preceded by two hours of laboratory work. Atkinson's Lessons in Botany and Bergen's Foundations of Botany are satisfactory texts. Each pupil should individually perform the experiments and demonstrations and should keep a neat and accurate notebook showing the work done by himself and the conclusions reached. *One unit, or a half-unit if accompanied by a half-unit of Zoölogy.*

25. Zoölogy.—The study for one year of animal structure, habits, and general life history will be accepted as a full item of credit for entrance, provided it has been done by the laboratory method. Conditions for undertaking the work vary widely. Competent teachers will have their own methods and the materials used will also vary. Linville and Kelley's Text-Book on General Zoölogy, Kellogg's Elementary Zoölogy, and Animal Studies by Jordan, Kellogg, and Heath are among the text-books approved. Emphasis should be placed on training in observation, in accuracy in drawing, and expression in the notebooks. *One unit, or a half-unit if accompanied by a half-unit of Botany.*

26. Chemistry.—Laboratory work should be made an essential feature of the study, and this may well take one-half of the total time assignment. Careful and systematic notes of his individual work should be made by the student. Some work in quantitative experiments is recommended as desirable both for training and in order to illustrate the fundamental laws. Purely descriptive work may better be limited to comparatively few elements and compounds rather than be extended to a larger list with resulting confusion to the student. *One unit.*

27. Ancient History.—A special study of the history of Greece and Rome, West's Ancient History, or Botsford's Greece and Rome, or an equivalent, with supplementary reading. *One unit.*

28. Mediaeval and Modern European History.—Myers' Mediæval and Modern History, or an equivalent, with supplementary reading. *One unit.*

29. English History.—A study of the political and constitutional development of England. Larned's English History or an equivalent. *One unit,* or *one-half unit.*

30. American History.—Channing's Students' History of the United States, or an equivalent. *One unit,* or *one-half unit.*

31. Civil Government.—James and Sanford's Government in State and Nation, or an equivalent. *One-half unit.*

32. Political Economy.—Thurston's Economics and Industrial History, or an equivalent. *One unit,* or *one-half unit.*

33. Manual Training.—Joinery, practice in making the more common joints in wood with hand tools; wood-turning, the use of the ordinary turning tools in making various curved forms, cups, balls, etc.; pattern making, practice in making wood patterns from which castings may be made, involving the study of shrinkage, distribution of metal, and various methods of molding; forging, practice in forming iron into various shapes when heated to the plastic condition, welding, and tempering. Woodward's The Manual Training School describes the usual exercises. If a laboratory manual is not used the student should write up each exercise carefully, as in other laboratory work. *One unit. This work will require at least six hours a week in the shop through two years.*

Admission as Special Students

On the recommendation of the Committee on Registration and Special Students, persons of serious purpose and mature years may be admitted to college as special students to pursue selected studies. Applications for such admission must be accompanied by evidence of qualification to carry on the proposed work to advantage, but no persons will be so admitted for courses which might be pursued in a secondary school. In general, special students are expected to meet the full entrance requirements.

Admission to Advanced Standing

Students from other colleges seeking admission to this College must present evidence of honorable dismissal from the institution last attended and must present certificates showing the grades of credit for the subjects pursued elsewhere, with the number of weeks and the number of hours a week the respective studies were followed. Students from other colleges must meet the regular entrance requirements to this College. The amount of advanced credit to be obtained by certificate from another institution is determined by a committee of the Faculty, but advanced credit will not be given without examination except for work done in an approved college. Claims for advanced credit must be made during the first year of residence. Candidates for advanced standing are not admitted later than September of the collegiate year in which they expect to graduate.

Accredited Schools

High schools and academies are placed on the accredited list of the University by action of the Faculty, upon the recommendation of the Committee on Accredited Schools. This relation implies that the certificates of the school properly attested will be accepted at their face value toward meeting the requirements for admission.

Superintendents or principals desiring to have their schools placed on the accredited list should make application to the Chairman of the Committee on Accredited Schools, who will provide for a proper inspection. The letter of application should give the names of all teachers, with a statement of their preparation and of their experience as teachers; a careful statement of the methods pursued in teaching Mathematics, Languages, and Sciences; the amount and kind of scientific apparatus and the library facilities accessible to students. The letter should be accompanied with the latest printed catalogue or annual report of the school, containing an outline of the course of study and a list of the text-books used.

The schools which are placed on the accredited list will continue to be accredited for three years, unless the Faculty within this period becomes satisfied that changes have occurred making further inspection desirable.

UNDERGRADUATE STUDIES

The courses of study offered in the College of Liberal Arts are listed under the several department headings beginning on page 79. Much of the work there announced is elective, but certain courses shown in the schedules below are required of all candidates for a degree.

In making up his program of studies for any year the student must give precedence to prescribed courses and in the order designated in the schedules. Except by special permission of the Committee on Registration, he must take in addition, elective work sufficient to make a total of fifteen class exercises a week. The credit assigned to a course is expressed in hours, an hour of credit being given for the satisfactory completion of work requiring one class exercise a week for one semester.

As a condition of graduation, a student must complete one hundred twenty semester hours of work, including the prescribed courses—the equivalent of fifteen class execises a week for four years.

Major and Minor Studies

At a date not later than the beginning of the third year of residence, the candidate for a degree must announce a department in which he proposes to do major work, and a department in which he proposes to do minor work. The courses constituting the major and the minor in the several departments are listed on pages 76 and 77, and are also stated under the department headings in the descriptions of courses.

The list of prescribed courses is designed to secure breadth of culture and to bring the student into contact with the main divisions of modern study. On the other hand, the requirement of a major and a minor secures continuity in one department, and to a less degree also in a second, and prevents the student from scattering his energies unduly. Students are advised to give careful thought to the plan of their elective work and to the selection of their major subject as early as the beginning of the second year.

Prescribed Courses

Degree of Bachelor of Arts	Hours	Year
I. Mathematics A1 (Mathematics A3, five hours, may be substituted for this course)	3	First
II. English Language A	3	First
III. Two of the following, each three hours: Latin A, Greek A, French A, German A. One must be chosen from the first two. If French or German is chosen, at least one course as advanced as Course A must be taken in College.	6	First
IV. English Literature A	2	Second
V. One of the following: Physics A, Chemistry A, Zoölogy A, Botany A, Geology A1 or B3	4	Second or third
VI. One of the following: History A, E, H, or BC, Economics A, Philosophy A1. (In the second semester, Philosophy A2, H, or L1 may be substituted for Philosophy A1.)	3	Second or third

Degree of Bachelor of Science	Hours	Year
I. Mathematics A1 (Mathematics A3, five hours, may be substituted for this course)	3	First
II. English Language A	3	First
III. French A and German A, see note below	6	First or second
IV. English Literature A	2	Second
V. Two of the following, four hours each: Physics A, Chemistry A, Zoölogy A, Botany, Geology A1 or B3. One must be chosen from the first three	4	First, second or third
VI. One of the following: History A, E, H, or BC, Economics A, Philosophy A1. (In the second semester, Philosophy A2, H, or L1 may be substituted for Philosophy A1.)	3	Second or third

NOTE.—If a candidate has presented for admission to college, Latin (a), (b), and (c), or Greek (a), (b), and (c), all work either in French or in German may be omitted from this schedule, but in all cases at least one course as advanced as Course A must be taken in one of these languages in College.

Schedule of Majors and Minors

BIBLICAL LITERATURE

MAJOR: Course A and seven additional year-hours, which must include Course E.

MINOR: Courses A, B, and D.

BOTANY

MAJOR: Course A and six additional year-hours.

MINOR: Course A and three additional year-hours.

CHEMISTRY

MAJOR: Courses A, B, and C.

MINOR: Courses A and B.

ECONOMICS

MAJOR: Course A and seven additional year-hours, which must include at least two year-hours more advanced than the courses of the B-group.

MINOR: Course A and three additional year-hours.

EDUCATION

MAJOR: Course A, or Course J, or Courses B and C, and seven additional year-hours, which must include either Course F or Courses G and K.

MINOR: Course A, or Courses B and C, or Course J, and three additional year-hours not taken concurrently with these.

ENGLISH LANGUAGE

MAJOR: Courses A and B, and six additional year-hours, which must include one of the Courses C, D, or H, and may include English Literature D.

MINOR: Courses A and B and two additional year-hours.

ENGLISH LITERATURE

MAJOR: Course A and nine additional year-hours, which must include Course C or D, and may include English Language D.

MINOR: Course A and four additional year-hours, of which not more than two year-hours may be taken concurrently with Course A

GEOLOGY

MAJOR: Course A1 and six additional year-hours, which mus include at least two year-hours chosen from the C-courses.

MINOR: Course A1 or B3, and two additional year-hours no taken concurrentiy with Course A1 or B3.

GERMAN LANGUAGE AND LITERATURE

MAJOR: Courses A and B, and six additional year-hours, which must include Course D.

MINOR: Courses A and B.

GREEK LANGUAGE AND LITERATURE

MAJOR: Courses A and B, and five additional year-hours, not including Course N.

MINOR: Courses A and B.

HISTORY

MAJOR: Course A, E, or H and seven additional year-hours, which must include one of the Courses K, R, S, or S1.

MINOR: Course A, E or H, and three additional year-hours, not taken concurrently with A, E, or H.

LATIN LANGUAGE AND LITERATURE

MAJOR: Courses A, B, C, or D, E or F, and J.

MINOR: Courses A and B.

MATHEMATICS

MAJOR: Courses A1 and A2 (or Course A3), B1, and six additional year-hours, which must include at least one C-course.

MINOR: Courses A1, A2, and B1 or B2; or Courses A3 and B1.

PHILOSOPHY AND PSYCHOLOGY

MAJOR: Courses A1 (or A2), B, G, and three additional year-hours; or Courses A1, C, and four additional year-hours.

MINOR: Courses A1 (or A2), B, and two semester-hours not taken concurrently with Course A1 or A2; or Course A1 and either E, C, or L1 and L2.

PHYSICS

MAJOR: Courses A, B, and C.

MINOR: Course A and three additional year-hours not taken concurrently with Course A.

ROMANCE LANGUAGES

MAJOR: Courses A and B in French, and six additional year-hours, which must include at least two year-hours in French more advanced than Course B.

MINOR: Courses A and B in French.

SEMITIC LANGUAGES

MINOR: Courses A and B.

ZOÖLOGY

MAJOR: Course A and six additional year-hours.

MINOR: Course A and two additional year-hours not taken concurrently with Course A.

Faculty Advisers

Each undergraduate student on entering College is assigned to a member of the Faculty who is to act as his adviser and give him helpful counsel relating to his college life. At the beginning of the third year the student makes choice of the department in which he is to do major work; the senior professor in that department becomes his adviser and should be consulted freely on all matters relating to subsequent work. The student is required to submit his choice of studies for each year to his adviser and obtain approval of the same before completing his registration; all changes in registration during the year must likewise receive the adviser's approval.

Courses of Instruction

The following pages give the list of courses offered in the College of Liberal Arts for the year 1908-1909. For completeness, courses offered in alternate years are included, with a note to indicate in what years they are given.

The general regulations affecting the student's choice of studies may be found on pages 74 and 75. Special regulations, if any, governing the order in which courses in the same department should be taken are given under the department heading.

Students electing courses given in other schools of the University, or in Garrett Biblical Institute, or the Swedish or Norwegian-Danish Theological Seminaries, are subject to the regulations of those schools.

The credit which a course bears toward meeting the requirement of one hundred and twenty semester-hours for graduation is indicated in general by the number of class exercises a week for each semester, two hours of laboratory work counting as one hour of credit. Exceptions to this are indicated in the descriptions of courses. A course not elected in any year by as many as five persons may be withdrawn at the option of the Faculty.

DEPARTMENTS OF INSTRUCTION

Astronomy

Professor Hough

A. Astronomy; Meteorology.—A general course in Astronomy and Meteorology adapted to the needs of students with no previous knowledge of the subject. Open to students who have secured a credit of sixty semester hours, including either Mathematics A1 or A3. Tu., Th., 2. Professor Hough.

K. Graduate Course in Practical Astronomy.—Time and credit to be arranged. Professor Hough.

Biblical Literature

Professor Patten and Professor Terry

Major: Course A and seven additional year-hours, including Course E. Minor: Courses A, B, and D.

A. Introduction to the English Bible.—First semester.—The origin and evolution of the English Bible; the English of the Bible; the Bible and English Literature. One hour a week is devoted to the careful reading of selected books of the Bible. Second semester.—The Bible as literature. Lectures and required readings, with papers on the various topics considered. Text: The American Standard Revised Version, Moulton's Modern Reader's Bible. Open to all students. Mon., Wed., Fri., 2. Professor Patten.

B. The Gospel of John.—First semester.—A study of the relation of John to the Synoptic Gospels. Second semester.—The Chirst of the Gospels as the central point of the Christian Evidences. Lectures and required readings. Open to students who have completed or are taking Course A. Text: Cambridge Bible for Schools and Colleges. Tu., Th., 2. Professor Patten.

C. Biblical History.—First semester.—History of the Hebrews, from the Conquest to the Exile. Second semester.—History of the Jews, from the Exile to the Christian era. Open to students who have

completed Course A and are taking or have completed Course B. Text: Kent's Historical Series. Lectures and required readings. Mon., Wed., Fri., 3. Professor Patten.

D. Acts of the Apostles and the Epistles.—First semester.—The Acts of the Apostles. An inductive study of the era of Apostolic Christianity. Second semester.—Selected Pauline Epistles. Open to students who have completed Course A. Text: Cambridge Bible for Schools and Colleges, with lectures and required readings. Tu., Th., 11. Professor Patten.

E. History of Religion.—First semester.—A survey and a comparison of the principal religions of the world in their rise and development. Text-book, with lectures, assigned readings, and papers. Second semester.—Special study of individual ethnic religions with emphasis upon their relations to Christianity. Lectures and required readings with text. Open to students who have a credit of sixty hours. Tu., Th., 3. Professor Patten.

F. Christian Doctrine.—This course is given in Garrett Biblical Institute, and students electing it are subject to the regulations of that school. Three times a week. Hours to be arranged. Professor Terry.

Botany

Professor Atwell and Miss Fixen

Major: Course A and six additional year-hours. Minor: Course A and three additional year-hours.

Course A or its equivalent must be completed before any other course in the department is taken.

A. Principles of Botany.—The biology and morphology of typical plants selected from the more important natural groups. Ecology and classification receive attention during the months of October and May. Laboratory and field work, with quizzes and informal lectures. Open to all students. *Four year-hours.* Lectures, Mon., Fri., 2. Laboratory, Tu., Th., 8 to 10, or 2 to 4. Professor Atwell, Miss Fixen, and assistants.

B. Seed Plants.—First semester.—Histological methods as applied to the study of structure and development. Second semester.—Morphology, distribution, and economic uses of the more prominent plant families; the general principles of forestry; the study of the trees and forests of the locality. Open to students who have had a year-course in Botany. Additional credit may be obtained by doing special work Saturday mornings. *Three year-hours.* Mon., Wed., Fri., 8 to 10. Professor Atwell *and* Miss Fixen.

BB. Trees and Forests.—The Morphology, classification, habits,

distribution, and economic value of the trees and shrubs commonly found in American forests, especially in the north central states. Open to those who have completed one year of elementary Botany. Class room work one hour a week; field work or laboratory work two hours a week. *Two hours.* Second semester only. PROFESSOR ATWELL.

C. PHYSIOLOGY AND HISTOLOGY OF PLANTS.—First semester.—Laboratory experiments in physiology. Second semester.—Problems in histology, demonstrating effect of environment upon structure. The course is open to those who have completed Course A and B, or a fair equivalent. *Three year-hours.* Mon., Tu., Wed., Th., Fri., 11. PROFESSOR ATWELL.

D. ALGÆ AND FUNGI.—Comparative morphology of ferns, mosses, algæ, and fungi. Laboratory work, lectures, and field work. Books of reference are provided. Open to students who have completed Course A. May be taken concurrently with Course B. *Two to four year-hours.* Time to be aranged. PROFESSOR ATWELL.

G. SPECIAL PROBLEMS IN PLANT LIFE.—Problems involving original work, assigned to suit the needs of individuals. Open to students who have completed the major requirement. *Three to five year-hours.* Time to be arranged. PROFESSOR ATWELL.

Chemistry

PROFESSOR YOUNG, PROFESSOR WHITTELSEY, AND PROFESSOR HINES

MAJOR: Courses A, B, and C. MINOR: Courses A and B.

Course A is an introductory course and it or an equivalent must be completed before other work in the department is taken. Courses B and C follow in order, but may be taken concurrently.

A. GENERAL CHEMISTRY, ELEMENTARY.—Text and laboratory work. Those who have had a course in elementary Chemistry, but not sufficient to qualify for Course B, may, by taking Section II, have the laboratory work modified so as to avoid unnecessary repetition of work already done. Credit is not given unless the full course is completed. Open without prerequisite. *Four year-hours.* Class work, Section I and III, Tu., Th., 1:30 to 2:30; Section II, Mon., Fri., 4 to 5. Laboratory, Section I, Tu., Th., 2:30 to 4, Wed., 1:30 to 4; Section II, Mon., Fri., 1:30 to 4; Section III, Tu., Th., 2:30 to 5. PROFESSOR YOUNG and PROFESSOR HINES.

B. QUALITATIVE ANALYSIS; ORGANIC CHEMISTRY.—Lectures, recitations, and laboratory work. *Four year-hours.* Mon., Wed., Fri., 1:30 to 4:30. PROFESSOR WHITTELSEY.

C. QUANTITATIVE ANALYSIS.—First semester.—Gravimetric analy-

sis. Second semester.—Volumetric analysis. *Three year-hours.* Tu., Th., 1:30 to 4:30. Professor Whittelsey.

BC. Advanced Analytical Chemistry.—Selected topics from the following: (a) Qualitative analysis of commercial products and of substances more complex than those analyzed in Chemistry B. (b) Quantitative analysis, special methods for the analysis of technical materials, ores, etc. Open to students who have completed Courses B and C; or may be taken concurrently with Course C. *Three year-hours.* Time to be arranged. Professor Whittelsey.

D. Sanitary and Food Analysis; Organic Determination.—First semester.—Examination of water, milk, butter. Second semester.—Organic determinations. Open to those who have completed Course C. *Three year-hours.* Tu., Th., 9 to 12. Professor Whittelsey.

E. Advanced Course in General Chemistry.—A course of reading on somewhat advanced topics. The work has been based on Ostwald's Outlines of General Chemistry. Credit is not given unless the year-course is completed. Prerequisite, Course B. *Two year-hours.* Wed., Fri., 10. Professor Young and Professor Hines.

G. Topics of Investigation.—Problems involving original research in inorganic and organic chemistry. Open only by special permission of the instructor in charge. Credit and time to be arranged. Professor Whittelsey.

H. Organic Chemistry, Advanced Course.—Lectures. A systematic study of the synthetic relations of the carbon compounds. This course must be preceded by Course B. *Two year-hours.* Time to be arranged. Professor Whittelsey.

I. Gas Analysis; Iron and Steel Analysis.—This course must be preceded by Course C. *Three year-hours.* Time to be arranged. Professor Hines.

Economics, Finance, and Administration

Professor Hotchkiss, Professor Howard, and Mr. Deibler

Major: Course A and seven additional year-hours, which must include at least two year-hours more advanced than the courses of the B-group. Minor: Course A and three additional year-hours.

Course A is a prerequisite for all other courses in the department except B5, as noted below. Courses of the C-group must be preceded by or be taken concurrently with a course of the B-group. Course D is open to graduate students and by special permission to undergraduates who have had at least two full year courses.

A. The Elements of Economics.—An elementary course in eco-

nomic theory. The first semester is devoted to the fundamental principles of value. In the second semester these principles are applied to practical economic problems. The work of the second semester varies in the different sections according to the instructor's individual choice. Open to students who have thirty semester-hours of credit. Mon., Wed., Fri., 9, 9, 10. Professor Hotchkiss, Professor Howard, and Mr. Deibler.

B1. Industrial History and Commercial Geography.—The industrial and commercial history of Western Europe and the United States, showing the origin and growth of modern economic ideas. A general survey of modern commerce as influenced by the resources and leading industries of different parts of the world. Text book: Day, History of Commerce. Mon., Wed., Fri., 3. Professor Howard.

B2. The Labor Question in Europe and America.—The economic and social conditions of the working classes in Europe and the United States. Factory legislation. Growth of labor organizations; strikes and lock-outs; the open and the closed shop; collective bargaining; state regulation of labor disputes, recent laws and judicial decisions. Mon., Wed., Fri., 8. Mr. Deibler.

B3. Transportation.—The general principles of railway transportation; the history of American railroads; the development of organization, management, consolidations, and control; railway finance and rate making; state and federal legislation; the Interstate Commerce Commission. Johnson's American Railway Transportation. Mon., Wed., Fri., 9. Not given in 1908-1909. Professor Howard.

B4. Sociology and Socialism.—The general principles of social evolution and progress, with particular reference to specific social institutions. A critical study of socialism and the programs of different socialistic leaders. "Socialism of the chair." Text-books, assigned readings, and discussions. Tu., Th., 11. Mr. Deibler.

B5. Present Day Social Problems.—Social problems of the present day, characteristic of congested industrial centers. Poverty, its causes and effects; the sphere of the state and of private individuals and organizations in promoting wholesome social conditions; the interpretation of activities for social betterment with reference to standards of social justice. Prerequisite, Course A, or sixty hours of credit-including one course in either Philosophy or History. Tu., Th., 10. Professor Hotchkiss.

B6. Administration.—Comparative administrative law and practice; designed to familiarize the student with the actual working of administrative machinery in the leading modern states; municipal government and administration. Text: Ashley's Local and Central Government; other books to be announced. Mon., Wed., Fri., 2. Not given in 1908-1909. Professor Hotchkiss.

B7. Colonial Governments.—The economic, social, and political conditions in the English and Dutch colonies and the outlying districts of the United States. Relation of European nations to the so-called less progressive peoples. Interests of the United States in the Orient. Tu., Th., 9. Not given in 1908-1909. Professor Hotchkiss.

B8. Social and Economic Field Work.—Students in the department who have completed Course A will be permitted, at the discretion of the instructor, to investigate and report upon certain social and industrial institutions in the neighborhood of Chicago. Work of this nature to receive credit must be additional to the work required for special reports in other courses. Time to be arranged. Professor Hotchkiss.

C1. The Relation of Government to Industry.—Development of the *laissez faire* doctrine and reasons for its abandonment. Government regulation and public policy. Specific regulative measures. Comparison of American and foreign practice. An expansion of the course on the trust problem, given in previous years, covering also the questions of a public nature dealt with in the course in Transportation. Tu., Th., 9. Professor Hotchkiss.

C2. Public Finance and Taxation.—A comparative study of the budget systems in the leading countries. Special attention is given to existing methods of taxation; justice and incidence of taxation. Adams' Science of Finance and Bastable's Public Finance will furnish the basis for the course. Tu., Th., 9. Not given in 1908-1909. Mr. Deibler.

C3. Money, Banking, and Corporation Finance.—Money and instruments of credit; banks and their functions; the currency problem. Legal aspects of corporations. The methods of promotion, capitalization, and underwriting; the various forms of stocks and bonds, their values, methods of marketing through stock exchanges and otherwise. Texts: Johnson, Money and Currency; Wood, Modern Business Corporations. Mon., Wed., Fri., 11. Professor Howard.

C4. Advanced Economic Theory.—This course gives advanced students opportunity to make a more intensive study of the theory of value and its applications than is possible in Course A. Special attention is given to the development of economic thought; the contribution of the Historical and Austrian schools; modern economic thought. Tu., Th., 10. Mr. Deibler.

D. Seminary.—In this course an extended original investigation upon some specific topic will be undertaken. The thesis prepared in the seminary may be entered in competition for the Harris Prize in political science. Undergraduates may not register for more than three hours except by permission of the faculty. *Three to six year-hours.* Time to be arranged. Professor Hotchkiss, Professor Howard, and Mr. Deibler.

Education

PROFESSOR FISK AND PROFESSOR LIBBY

MAJOR: Course A, or J, or Courses B and C, and seven additional year-hours, which must include either Courses F, or Courses G and K. MINOR: Course A, or J, or Courses B and C, and three additional year-hours not taken concurrently with Course A, B, or J.

A teacher's diploma will be issued to students who fulfill the requirements described on page 123.

Course A is an introductory course and may well precede other courses in the department. Courses B and J, however, do not require preliminary courses.

A. GENERAL HISTORY OF EDUCATION.—The relation of institutional education to the development of civilization and culture; the discussion of pedagogical principles; the intensive study by individual students of the great educators, Plato, Rousseau, Spencer, *et al.* Monroe's Text-Book in the History of Education, Brown's The Making of our Middle Schools, and Ziegler's Geschichte der Pädagogik are recommended for reference. Open to students who have thirty hours of credits. Mon., Wed., Fri., 3. PROFESSOR LIBBY.

B. PRINCIPLES OF EDUCATION.—Lectures, readings, and discussions. Text-books: Compayré's Lectures on Pedagogy, Horne's Philosophy of Education, Rooper's Apperception, Lange's Apperception, De Garmo's Interest and Education, McMurry's Elements of General Method, Hughes's Securing and Retaining Attention. Open to students who have a credit of sixty hours, and to others by special permission. Mon., Wed., 4. PROFESSOR FISK.

C. SCHOOL ADMINISTRATION.—Lectures, readings, and discussions. Text-books: Tompkin's Philosophy of School Management, De Garmo's Principles of Secondary Education, Roark's Economy in Education, Calderwood's On Teaching. Open to students who have completed Course A or Course B, and to others by special permission. Fri., 4. PROFESSOR FISK.

D. EXPERIMENTAL PEDAGOGY.—Investigation of the basis of method, the contents of children's minds, fatigue, types of imagination, fidelity of memory, retention and recall. The learning process, by introspection and by observation of others. The research method is employed. The works of Lay, Meumann, and Binet are recommended for reference. Open to students who have completed the first semester of Philosophy A1. Mon., Wed., Fri., 9. Second semester only. PROFESSOR LIBBY.

E. SPECIAL METHODS.—Lectures, readings, discussions, written reports, high school visitations, demonstrations, examination of text-

books, apparatus, etc. Lectures by representatives of departments as follows: History, See History J; Latin, See Latin J, H, and K; Mathematics, See Mathematics B3; Physiography, See Geology A2. Professor Fisk, Professor Libby, and the instructors in the several departments.

F. History of Modern Education.—Open to students who have completed Course A. Mon., Wed., Fri., 3. Not given in 1908-1909. Professor Libby.

G. Adolescence.—Growth, psychic development, motor education, conversion, adolescent feelings, diseases, crimes, rites, the education of girls, boys' gangs. Hall's Adolescence is used for reference. Members of the class present written reports on monographs. Open to students who have completed two year-courses in Education. Tu., Th., 10. Professor Libby.

J. Secondary Education in the United States.—The history of American middle schools, comparison with foreign systems, organization, discipline, curricula, methods, management, hygiene, report of the Committee of Ten, report of the Committee on College Entrance Requirements. Present-day problems of secondary education. High school visitations with reports, the criticism of text-books, etc. Reading of periodicals. This course prepares directly for high school teaching and may be taken in conjunction with Education E. Open to students who have thirty hours of credit. Mon., Wed., Fri., 10. Professor Libby.

K. Education from the Sociological Point of View.—The school in relation to the family, state, and other social forces; education with reference to philanthropy and to the progress of civilization; the function of the industrial school, night school, reformatory school, school for defectives, kindergarten, university settlement, special institutions. Seminary method employed; reading of recent books and periodicals. Open to students who have completed two year-courses in Education. Mon., Wed., Fri., 9. First semester only. Professor Libby.

Elocution

Professor Cumnock and Mr. Dennis

A. First Course.—The regulation of the breath, the use of the body in the development of vocal energy; English phonation; methods of acquiring distinct articulation; the natural and orotund voices; the application of force, stress, pitch, rate, quantity, and emphasis, and their importance; the use of inflection for emphasis and melodious effect; the fundamental principles of gesture and their application. Texts: Russell's Manual of Elocution and Cumnock's Choice Read-

ings. Open to all students. Section I, Mon., Wed., 4; Section II, Tu., Th., 4. Mr. Dennis.

B. Study of Masterpieces of English Eloquence.—Open to students who have completed Course A. Section I, Tu., Th., 8; Section II, Wed., Fri., 8. Mr. Dennis.

C. Principles of Vocal Expression.—Stress is laid upon the acquisition of good form in common reading and in oratorical address. The written productions are carefully examined; individual advice and criticism. Open to students who have completed Courses A and B. This course is designed for the year of graduation. Mon., Fri., 9. Professor Cumnock.

D. Bible, Hymn, and Liturgic Reading.—Mon., Fri., 11. Professor Cumnock.

Engineering

Professor Basquin and Professor Irish

Major and minor not yet arranged.

A1. Mechanical Drawing.—An introductory course in which accurate work is made a special feature; the use and care of instruments; freehand sketching in orthographic projection; practice in the general methods used in the drawing room in preparation for practical work. Open to all students. *One year-hour.* Wednesday afternoon. Professor Irish.

A2. Sophomore Drawing.—Under the head of descriptive geometry this course embraces a treatment of the theoretical principles of orthographic projection as used in the practice of advanced mechanical drawing; under the head of graphical statics it treats of methods of finding the forces which act between the parts of framed structures as a result of the loads which they support; while under the head of kinematics it acquaints the student with the more important mechanical motions and gives him some practice in applying them to machine parts. Open to students who have completed Course A1. *Three year-hours.* Mon., Wed., Fri., afternoons. Professor Basquin and Professor Irish.

B1. Freshman Shop Work.—A study of the simple tools commonly used in wood and metal working, special attention being given to the mechanical study of their cutting action. Open to all students. *One year-hour.* Tu. or Th. afternoon. Professor Basquin.

B2. Sophomore Shop Work.—A more advanced course than B1. Not given in 1908-1909.

C1. Surveying.—A course in the care and use of the chain, tape, rods, compass, level, transit, solar transit, plane table, current meter,

sextant, hand level, prismatic compass, with the theory and method of making land, city, topographic, hydrographic, railroad, highway, mine, and tunnel surveys, and platting field notes; also sufficient astronomy for the determination of latitude and longitude. Open to students who have completed Course A1 and Mathematics A1 or A3. *Three year-hours.* Tu., Th., 9, Sat., 9 to 12. Professor Irish.

C2. Field Work in Surveying.—Practice in the more important classes of surveying under conditions met with in actual surveying work. The class is divided into small sections of which the members take charge in rotation and the assignment of work is so arranged that each man gets a considerable experience with each of the important instruments and with the various duties involved in the making of surveys. The camp has its headquarters near Kilbourn, Wisconsin. Open to students who have completed Course C1. Six weeks in the summer, beginning June 16, 1909. Professor Irish.

H2. Structural Mechanics.—A study of the behavior of cast iron, steel, stone, concrete, under the action of stress, with a discussion of the strength, deformation under load, and the proper design of beams, columns, joints, etc. Experimental work upon the strength of materials is carried out by the class under the leadership of each of its members in rotation. Open to students who have completed Physics B and Mathematics B1. *Three year-hours.* Tu., Th., 10, and one afternoon.

J1. Thermodynamics and Heat Engines.—An extended study of technical thermodynamics as applied to the flow of gases, the air engine, the internal combustion engine and the steam engine; considerable attention is given to the various forms of the steam engine and its many accessories. Open to students who have completed Physics B and Mathematics B1. *Three year-hours.* Mon., Wed., Fri., 11. Professor Basquin.

L. Descriptive Geometry.—This course is given as a part of Course A2.

English Language

Professor Clark, Miss Potter, Mr. Sherburn, Mr. Burrill, and Mr. Stevens

Major: Courses A and B and six additional year-hours, which must include one of the Courses C, D, or H, and may include English Literature D. Minor: Courses A and B and two additional year-hours.

Course A is required of all students during the first year of residence unless especially excused by the Registration Committee. It must precede all other courses in the department.

A. Rhetoric; Synonyms; Eight Essays.—First semester.—Drill

in the elements of good style. Second semester.—Rhetorical imagery and synonyms. Students who show, early in the first semester, that they are seriously deficient in elementary English, are required to take additional work for such time as may be found necessary. No credit is given till the whole course, including the additional work, if any, is completed. Mon., Wed., Fri., 8, 9, 10, 11, 2, and 3; Tu., Th., Sat., 8, 9, 10. Mr. Sherburn, Mr. Stevens, and Mr. Burrill.

B. Prose Masterpieces; Paragraphing.—The diction and the distinctive characteristics of the great writers of prose. After a minute examination of the style and the diction of a given author, each member of the class writes a theme exemplifying the peculiar merits of the author. Twenty-four prominent prose writers are thus studied during the year. Open to students who have completed Course A. Tu., Th., 9, 10. Professor Clark.

C. Versification; Poetic Masterpieces.—The mechanics of English versification and the diction and distinctive characteristics of the great poets. Open to students who have completed Course A. Wed., Fri., 9. Professor Clark.

D. History of the English Language; Anglo-Saxon; Early English.—A review of the history of the English language. The outlines of Anglo-Saxon grammar. Selections from fifteen pre-Chaucerian authors, from Bæda to Gower, inclusive. Open to students who have completed Course A and one course in German. Tu., Th., 3. Professor Clark.

F. Advanced Composition.—Two short articles from every member of the class every week during the college year. Open to students who have completed Courses A and B. Wed., Fri., 10. Professor Clark.

G. Biblical English.—The diction, imagery, and idiom of the English Bible. Open to graduate students only. *Three year-hours.* Time to be arranged. Professor Clark.

H. The Longer Forms of Narration.—The student analyzes short story masterpieces as models and, later, constructs original stories. Open to graduates and to undergraduates who have completed Courses A, B, and F. Tu., Th., 4. Mr. Sherburn.

I. Composition for Public Speaking.—Open to students who have completed Courses A and B. Mon., Wed., 3. Mr. Burrill.

J. English Syntax.—Tests of the ability to form clear mental images and to interpret written language. The reasons for the sentence structure of modern English; the relation of the sentence and its parts to the thought and ideas expressed. Open to students who have completed Course A and have fifty hours of credit. Mon., Fri., 11. Miss Potter.

English Literature

Professor Brown, Professor Goddard, and Mr. Chase.

Major: Course A and nine additional year-hours, which must include Course C or D, and may include English Language D. Minor: Course A and four additional year-hours, of which not more than two year-hours may be taken concurrently with Course A.

Course A is prerequisite to all other courses in the department, except that Course B or H may be taken at the same time with Course A. Course K must be preceded or accompanied by Course D. The attention of graduate students is especially invited to Courses C, J, K, and Z. These are for advanced students only. Courses K and Z are intended to suggest problems of research and to impart some acquaintance with methods of literary investigation. Courses A, B, and H may not be counted toward advanced degrees.

A. General View of English Literature.—A general outline of the development of English literature. Lectures, recitations, and a considerable amount of reading. Required of all students in regular courses. All candidates for a degree are expected to take this course in their second year. *Two year-hours.* Lecture, Mon., 3. Sections, Tu., 9; Wed., 11 and 3; Th., 9 and 11; Fri., 9 and 10. Professor Brown, Professor Goddard, and Mr. Chase.

B. American Literature.—First semester.—Edwards, Franklin, Brockden Brown, Irving, Bryant, Cooper, Poe, Emerson, Thoreau. Second semester.—Whittier, Longfellow, Hawthorne, Lowell, Holmes, Whitman, Lanier. Without neglecting the historic aspects of literary development, this course studies primarily the work of individual authors. Open to students who have completed or are taking Course A. Tu., Th., 8. Mr. Chase.

J. Anglo-Saxon Literature, Béowulf.—First semester.—Anglo-Saxon Literature. Bright's Anglo-Saxon Reader is used. Second semester.—Béowulf is read. Middle English Literature. Open to students who have completed Course A. *Three year-hours.* Tu., 3 to 5; Th., 3. Professor Brown.

C. Chaucer.—First semester.—A detailed study of a large number of the Canterbury Tales. Second semester.—The Parlement of Foules, the Legende of Gode Wommen, and so much of the Troilus and Criseyde as time permits. Students are advised to precede or accompany this course by some study of Anglo-Saxon. It is open, however, to all students who have completed Course A. Mon., Wed., Fri., 10. Mr. Chase.

D. Shakespeare.—First semester.—A careful and detailed study of three of Shakespeare's plays; for 1908-1909, Richard III, Hamlet,

The Tempest; for 1909-1910, Richard II, King Lear, The Winter's Tale. This semester's work may be taken in two successive years. Second semester.—All of Shakespeare's plays are read in chronological order. Lectures on the development of Shakespeare's art and on his relations to preceding and contemporary dramatists. Open to students who have completed Course A. Mon., Wed., Fri., 11. Professor Brown.

E. Spenser and Milton.—First semester.—Wyatt, Surrey, Lyly, Sydney, and Spenser. The influence of foreign literary models; the development of blank verse and the sonnet; euphuism, and literary criticism in the sixteenth century, 1557-1599. Second semester.—Milton and his contemporaries, 1599-1660. Open to students who have completed Course A. Mon., Wed., Fri., 2. Given in 1908-1909 and in alternate years. Mr. Chase.

F. Eighteenth Century Literature, 1660-1789.—First semester.—Dryden, Defoe, Addison, Steele, Swift, Pope. Second semester.—Johnson, Goldsmith, Richardson, Fielding, Burke, Thomson, Gray, Collins, Cowper, Burns. The transition from the seventeenth to the eighteenth century; the development of prose; political pamphlets; literary periodicals; the development of the novel; literary criticism; classicism in poetry; the beginnings of romanticism. Open to students who have completed Course A. Mon., Wed., Fri., 2. Given in 1909-1910 and in alternate years. Mr. Chase.

G. The Romantic Movement.—First semester.—Wordsworth, Coleridge, Southey, Lamb, Jeffrey, Landor, Jane Austen. Second semester.—Scott, Byron, Keats, Shelley, Leigh Hunt, De Quincey, Hazlitt. The return to nature; the influence of the French Revolution; the revolt against artistic conventions; the awakening of interest in the middle ages; the revival of the individual spirit in English literature. Open to students who have completed Course A. Tu., Th., 9. Professor Brown.

H. English Poetry from 1830 to 1880.—First semester.—Tennyson, Matthew Arnold, Clough. Second semester.—Mrs. Browning, Browning, Fitzgerald, the Rossettis, Swinburne, and other poets of the period. The larger part of the time is devoted to the study of Tennyson, Browning, and Arnold. Open to students who have completed or are taking Course A. Tu., Th., 11. Professor Goddard.

I. English Prose from 1830 to 1880.—First semester.—Carlyle, Newman, Emerson, John Stuart Mill. Second semester.—Matthew Arnold, Ruskin, Pater, Thackeray, Dickens, George Eliot, Meredith. These writers are studied as representatives of the thought and life of the period. A large amount of reading and papers on topics suggested by the course are required. Open to students who have completed Course A. Mon., Wed., Fri., 9. Professor Goddard.

K. The Elizabethan Drama.—First semester.—From the Mir-

acle Plays through the Moralities, the Interludes, and the plays of Lyly, Greene, Peele, Kyd, Marlowe to Jonson. Second semester.—Through the plays of Jonson, Shakespeare, Dekker, Chapman, Heywood, Beaumont and Fletcher, Middleton, Webster, Ford, Massinger, Shirley, and Davenant to the Restoration. Open to students who have completed or are taking Course D. Mon., Wed., Fri., 8. Given in 1909-1910 and in alternate years. Professor Goddard.

L. The Development of the Modern Drama.—The development of the nineteenth century drama on the continent and in England. Open on consultation to students who have completed five year-hours in English Literature. Mon., Wed., Fri., 8. Given in 1908-1909 and in alternate years. Professor Goddard.

Z. Seminary.—In 1908-1909 the subject is the English Metrical Romances of the Arthurian Cycle. Each student prepares and reads before the class a series of reports which he afterwards puts into the form of a thesis. Besides the Metrical Romances, among subjects discussed may be mentioned: the lays, the ballads, the Mabinogion tales, the Cuchulinn and the Finn cycles of Irish literature, the legend of the Holy Grail. Among authors touched on are: Geoffrey of Monmouth, Layamon, Chrétien de Troyes, Wolfram von Eschenbach, the Gawain-poet, Sir Thomas Malory. Open to graduate students only. *Three year-hours.* Time to be arranged. Professor Brown.

French

See Romance Languages and Literatures, page 110.

Geology

Professor Grant, Professor Mansfield, Mr. Coghill, Mr. Decker, Mr. Cline, and Mr. Higgins

Major: Course A1 and six additional year-hours, which must include at least four semester-hours chosen from the C-courses. Minor: Course A1, or B3, and four additional semester-hours not taken concurrently with A1 or B3.

A1. General Geology.—A general introduction to Geology. Open to all students. *Four year-hours.* Mon., Wed., Fri., 10. Laboratory hours to be arranged, Mon., 11, or Tu., 9, 10, or 11. Occasional excursions or laboratory work on Friday afternoons or Saturdays. Professor Grant, Professor Mansfield, Mr. Decker, and Mr. Cline.

A2. Physical Geography.—A general course for those taking work in economics or history, for those expecting to teach geography in secondary schools, and for those who desire a course in earth study but cannot spend the time required for Course A1. First semester.—Meteorology. Second semester.—Physiography of the lands. Open to

all students; the second semester may be taken without the first. *Three year-hours.* Tu., Th., 2. Laboratory hours to be arranged. Professor Mansfield and Mr. Decker.

B1. Practical Geology.—First semester.—A more advanced study of structural and dynamical geology than is given in Course A1. Second semester.—Methods of geological work, preparation of maps and sections, geologic and topographic mapping. The first semester is open to students who have completed Course A1 and a year course in chemistry; the second semester is open to students who have completed or are taking Course A1. *Three year-hours.* Tu., Th., 9. Laboratory hours to be arranged. Professor Grant and Mr. Higgins.

B2. Physiographic and Glacial Geology.—First semester.—Physiographic and general geology of the United States. Second semester.—Glacial geology. The first semester is open to students who have completed Course A1; the second semester is open to students who have completed or are taking Course A1. *Three year-hours.* Tu., Th., 3. Laboratory hours to be arranged. Professor Mansfield and Mr. Decker.

B3. Mineralogy.—Crystallography, blowpipe analysis, and determinative mineralogy. Open to students who have completed a year course in chemistry. *Four year-hours.* Tu., 10. Laboratory hours to be arranged. Mr. Coghill.

B4. Assaying.—Fire assaying of gold, silver, and lead ores; determination of gold in cyanide and chloride solutions. Open to students who have completed or are taking Course B3. *Two year-hours.* Mon., Wed., 9. Mr. Coghill.

B5. Metallurgy.—First semester.—Fuels, refractory materials, metallurgy of iron and steel. Second semester.—Metallurgy of copper. Open to students who have completed or are taking Course B3. *Two year-hours.* Tu., Th., 8. Mr. Coghill.

C1. Economic Geology.—First semester.—The non-metallic mineral resources of the United States. Second semester.—The metallic mineral resources of the United States, and the origin of ore deposits. Open to students who have completed Course A1 and B1 or B3. The second semester may be taken without the first. *Two year-hours.* Tu., Th., 11. Not given in 1908-1909. Professor Grant.

C3. Petrology.—Optical mineralogy and the determination of minerals by use of the petrographical microscope; a study of the more important rocks. Open to students who have completed Courses A1 and B3, or to students who have completed one of these courses and are taking the other. *Five year-hours.* Mon., Wed., Fri., 11, and 2 to 4. Professor Grant.

C4. Metallurgy.—First semester.—Metallurgy of lead and zinc. Second semester.—Metallurgy of gold and silver. Open to students who

have completed Course B5 and have completed or are taking Course B4. *Two year-hours.* Tu., 8, Fri., 11. Mr. Coghill.

D. Courses Primarily for Graduates.—Advanced Petrology; Pre-Cambrian Geology; Research work. Credit and time to be arranged. Professor Grant and Professor Mansfield.

German Language and Literature

Professor Hatfield, Professor Curme, Professor Edward, Mr. Bernstorff, and Dr. Roloff

Major: Courses A and B and six additional year-hours, which must include Course D. Minor: Courses A and B.

AA. Elementary German.—Pronunciation, grammar, selections in prose and verse, German compositions. This course may not be taken to remove language requirements for admission, and credit will not be given unless the full course is completed. Open only to students who have presented full four units of foreign languages for admission. Mon., Tu., Wed., Th., Fri., 8, 10, and 11. Professor Edward, Mr. Bernstorff, and Dr. Roloff.

A. Intermediate German.—Section I, III, IV.—Modern Prose writers, Storm, Freytag, Seidel, Ernst, etc. German lyrics and ballads, Goethe's Hermann und Dorothea. Sections II, V, VI—Lessing's Minna von Barnhelm, German lyrics and ballads, Schiller's Wilhelm Tell and Maria Stuart, Goethe's Hermann and Dorothea. Open to students who have completed Course AA, or its equivalent. Mon., Wed., Fri., 9, 9, 10, 10, 11; Tu., Th., Sat., 8. Professor Curme, Professor Edward, Mr. Bernstorff, and Dr. Roloff.

B. Literature Relating to the Thirty Years' War.—Schiller's Thirty Years' War and Wallenstein; Freytag's Rittmeister von Alt-Rosen and Der grosse Krieg; Scheffel's Trompeter von Säkkingen. Open to students who have completed German A. If taken a second time with new subject-matter a credit of two hours is given. In 1909-1910 the subject will be Goethe's Life and Works, 1748-1790. Mon., Wed., Fri., 8, 11, 3. Professor Hatfield, Professor Curme, and Mr. Bernstorff.

C. Goethe's Faust.—Conducted in German; both parts of the drama are read; intended for mature students. Open to students who have completed Course B and have sixty hours of college credit. Tu., Th., 11. Professor Hatfield.

D. History of German Literature.—A systematic study of German literature from the earliest times. Robertson's History of German Literature and Max Müller's German Classics. Open to students who have completed Course B. Mon., Fri., 3. Professor Hatfield.

E. German Seminary.—First semester.—Goethe's life and works. Second semester.—Schiller's life and works. Intended for graduate students; enrollment is at the discretion of the instructor. Suitable original work is brought to publication as opportunity allows. In 1909-1910 the subjects to be treated are: First semester.—From Luther to Goethe. Second semester.—Poets of the War of Liberation, Platen and Heine. *Two to five year-hours.* Sat., 8:30 to 10. Professor Hatfield.

F. German Novel and Short Story.—Two courses in the modern German novel and short story are given in alternate years. They present an outline of German life in the nineteenth century as reflected in this form of literature. First Half of the Century: H. von Kleist, Hauff, Hoffmann, Immermann, Stifter, Grillparzer, Ludwig, C. F. Meyer; given in 1908-1909. Second Half of the Century: Spielhagen, Storm, Heyse, Raabe, Fontane, Wildenbruch, Sudermann, Frenssen; given in 1909-1910. Open to students who have completed Course B. Courses J and F may be suitably combined. Tu., Th., 3. Professor Edward.

G. Colloquial German.—Mosher's Wilkommen in Deutschland, Kron's German Daily Life, and other material. Open to students who have completed Course AA, and to others by special permission. *One year-hour.* Tu., Th., 9. Professor Edward.

H. Advanced German Composition.—Von Jagemann's Syntax and Prose Composition; translation of short English stories into German. Open to students who have completed Course A. Mon., Wed., 8. Professor Edward.

I. Intermediate German Composition.—Open to students who have completed Course AA or A. Tu., Th., 10. Dr. Roloff.

J. Modern German Drama.—Two courses are given in alternate years. They present an outline of German life in the nineteenth century as reflected in the drama, exclusive of the classical works of Goethe and Schiller. First Half of the Century: H. von Kleist, Grillparzer, Raimund, Gutzkow, Hebbel, Otto Ludwig; given in 1908-1909. Second Half of the Century: Anzengruber, Wildenbruch, Sudermann, Hauptmann, Fulda, Lienhard, Otto Ernst; given in 1909-1910. Open to students who have completed Course B. Tu., Th., 4. Professor Curme.

K. Historical Grammar of the German Language.—The historical development of the forms and syntax of the German language; the reading of important literary works of different periods. Texts: Braune's Althochdeutsche Grammatik and Althochdeutsches Lesebuch, Paul's Mittelhochdeutsche Grammatik, Wright's Historical German Grammar, Hartmann von Aue's Der Arme Heinrich, Curme's Grammar of the German Language as Spoken and Written Today. Open

to seniors and graduate students. *Three hours.* Mon., Wed., Fri., 4. Professor Curme.

L. Middle High German Masterpieces.—The reading of masterpieces of the Middle High German period without a formal study of the grammar. In 1908-1909 the following works were taken up: Zarncke's edition of the Nibelungenlied and Martin's Wolfram's von Eschenbach Parzival and Titurel. Open to students who read modern High German fluently. Tu., Th., 3. Professor Curme.

M. Social Tendencies in German Literature Since 1848.—The main political and social currents of thought as reflected in the literature of this period. Tu., Th., 9. Dr. Roloff.

Greek Language and Literature

Professor Scott, Professor Hayes, Proessor Flickinger, and Professor Oldfather

Major: Courses A and B and five additional year-hours, not including Course N. Minor: Courses A and B.

AA. Elementary Course.—A beginning course designed for students who enter college without Greek. Credit will not be given unless the full course is completed. Open to all students who have presented four units of foreign languages for admission. Mon., Tu., Wed., Th., Fri., 10. Professor Scott.

AB. Second Year Course.—Xenophon's Anabasis, Books I, II, III, IV. Thirty Lessons in Greek Composition, Homer's Iliad, three books. Open to students who have completed Course AA, or its equivalent. Mon., Tu., Wed., Th., Fri., 9. Professor Flickinger.

A. Lysas. Plato's Apology. Homer.—Open to students who have completed Course AB, or who have presented three units of Greek for admission. Tu., Wed., Th., 11. Professor Oldfather.

B. Greek Literature.—Sophocles' Oedipus Rex; Euripides' Alcestis and Medea; Aristophanes' Frogs. Open to students who have completed Course A. Mon., Wed., Fri., 10. Professor Flickinger.

C. Greek Literature; Advanced Course.—Selections from Lyric Poets. Hesiod, Herodotus, Demosthenes, Lucian, and Sophocles. Open to students who have completed Course B. Tu., Wed., Th., Fri., 9. Professor Scott.

G. Dramatic Poetry.—Open to students who have completed Course C. *Four year-hours.* Time to be arranged. Given in 1909-1910 and in alternate years. Professor Scott.

H. Homer and Epic Poetry.—Open to students who have com-

pleted Course C. *Four year-hours.* Mon., Wed., Fri., 2. Given in 1908-1909 and in alternate years. Professor Scott.

K. Greek and Roman Archaeology.—A general introduction to the artistic remains of the Greeks and Romans from the Minoan age to the time of Hadrian. Architecture, sculpture, vases, and coins. May be counted as one year-hour towards a Greek major. No preliminary course in the department required. Tu., Th., 2. Professor Flickinger.

N. New Testament Greek.—Given in Garrett Biblical Institute, and students electing it are subject to the regulations of that school. Open to students who have completed Course A, and in special cases open to students who have completed Course AB. Tu., Th., Fri., 10. Professor Hayes.

History

Professor James, Professor Wilde, Professor Harris, Professor Little, Dr. Terry, Dr. Thorndike, and Dr. Lichtenstein

Major: Course A, E, or H, and seven additional year-hours, which must include Course K, R, S, or S1. Minor: Course A, E, or H, and three additional year-hours, not taken concurrently with A, E, or H.

Course A, E, C, or H must in general be taken as a first course introductory to other courses in the department. They require no preliminary course in History other than that presented for admission. Students who expect to study law are advised to take Courses B, BC, H, K, N, and SI. Courses K, R, S (S1) are primarily for students making a major in History and for graduate students. Courses M and M1 are open to graduates, except by special permission.

A. English History.—English political history from the Anglo-Saxon period to the present day. In addition the development of governmental institutions and the condition of the church receives some attention. Open to all students. Mon., Wed., Fri., 8, 2. Dr. Terry and Dr. Lichtenstein.

B. English Constitutional History.—The historical development of the English government from the Anglo-Saxon period to the present day. Open to students who have completed Course A. Tu., Th., 11. Dr. Thorndike.

C. American Colonial History to 1783.—The social and economic development of the New England and Southern Colonies. Attention is given to the European influences, the motives and methods of colonization; and emphasis is laid upon the development of American political institutions and on the causes of the American Revolution.

Open to all students. Mon., Wed., Fri., 3. A half-year course, given each semester. Dr. Terry.

BC. American History.—The Political History of the United States from the Revolution. The formation of the Union, the rise and growth of parties, the influence of westward expansion and of slavery on the political life. Open to students who have completed one full year course in the department, or an equivalent. Mon., Wed., Fri., 11. Professor James. (Given by Dr. Terry in 1908-1909.)

D. Greek and Roman History.—First semester.—History of Greece from the earliest times to the Roman conquest. Second semester.—Rome from the earliest times to the break-up of the Empire. The second semester may be taken without the first. Open to students who have completed Course A or E. Tu., Th., 9. Dr. Thorndike.

E. European History During the Middle Ages.—The transition from the ancient to the mediaeval world; the barbarian invaders and kingdoms; the growth of the Christian church; the feudal system; mediaeval culture; the beginnings of modern states and civilizations. Open to all students. Mon., Wed., Fri., 8, 2. Dr. Thorndike.

F. The Renaissance and Reformation.—First semester.—The Renaissance, its relation to the Middle Ages; Italian Political Conditions, literature, fine arts, morals, and religion; Humanism; Renaissance in other European countries; age of exploration and discovery; beginnings of modern sciences. Second semester.—The Reformation in Germany, Switzerland, France, the Netherlands and Great Britain, treated as a religious, political, and social movement; the Catholic Reformation; the Thirty Years' War. Open to students who have completed Course E or one full year course in the department. Tu., Th., 2. Dr. Thorndike.

G. European History from the French Revolution.—First semester.—The causes and events of the French Revolution and the wars of Napoleon. Second semester.—The evolution of constitutional government in the states of Europe; revolts of 1820, 1830, and 1848; the unification of Italy and Germany; the Eastern question. Open to students with fifty hours of credit, who have had one full year course in the department. Mon., Wed., Fri., 10. Dr. Terry.

J. Methods of Teaching History.—Special reference to the work of secondary schools and the bibliography of American History. Open to students whose major is History and to others by special permission. Tu., 2. Not given in 1908-1909. Professor James.

J1. Historical Bibliography and Criticism.—Introduction to advanced historical work by reference to the great historical collections and works of mediaeval and modern European history; methods of historical criticism and investigation. *One year-hour.* Time to be arranged. Not given in 1908-1909. Dr. Lichtenstein.

L. Church History.—Post-Nicene history of the Christian Church. Christianity within the Roman Empire; the upbuilding of the Papacy and the growth of Monachism; the relations of the Popes to the Byzantine, Frankish, and German Emperors; the Church and Medieval Society; the Reformation; the Modern Church. Given in Garrett Biblical Institute for a full college semester. Students electing it are subject to the regulations of that school. Open to students who have completed Course A or E. Tu., Wed., Fri., 10. Professor Little.

R. England Under the Tudors and Stuarts.—The development of Tudor absolutism; the religious Reformation in England; the civil war of the seventeenth century. Open to students who have completed Course A and five other year-hours in the department; by special permission, to seniors who have had Course A. Tu., Th., 11. Not given in 1908-1909. Dr. Terry.

R1. Fall of Rome and Rise of the New Nations.—Open to students who have completed Course E and five other year-hours in the department. Primarily for students making a major in History and for graduates. Tu., Th., 3. Professor Wilde.

S. History of the West.—The advance of the frontier; the political and industrial development of the West, and its effects upon national development. Open to students who have completed History BC and five other year-hours in the department; by special permission, to seniors who have completed Course BC. Tu., Th., 3. Not given in 1908-1909. Professor James.

S1. Diplomatic History of the United States.—The foreign relations of the United States from the close of the Revolution, Commercial treaties following the Revolution, the Monroe Doctrine, the diplomacy of expansion, the relations with the South American republics, the period of the Civil War, interoceanic transportation routes; the United States in the Far East. Open to students who have completed Course BC, and five other year-hours in the department; by special permission, to seniors who have completed Course BC. Tu., Th., 3. Not given in 1908-1909. Professor James.

Diplomacy and Government

H. Elements of Politics.—First semester.—American Politics: the elements of Political Science; organization and development of federal, state governments, and political parties in the United States. Second semester.—Comparative National Government, comparative analysis of the governments and constitutional law of Germany, France, Austria-Hungary, Italy, Spain, Switzerland, and the British Empire. Open to all students. Mon., Wed., Fri., 10. Professor Harris.

H1. Constitutional and Commercial Law.—First semester.—

Constitutional law of the United States. Second semester.—Elements of Commercial Law. Open to students who have completed one full year course in the departments of Economics or History. The second semester may be taken without the first. *Three year-hours.* Not given in 1908-1909. Professor Harris.

K. European Diplomacy and World Politics in the Nineteenth Century.—First semester.—The diplomatic relations and important treaties of European states from 1815 to 1878. Special attention is given to "Legitimacy"; the diplomacy of Bismarck, Cavour, and Napoleon III; the Dual and Triple alliance; and the Eastern question. Second semester.—World politics from 1878 to the present day. Contemporary international politics with particular reference to imperialism; the colonization and partition of Africa, India, Egypt, and Turkestan; Central Asia and the far East. Open to students who have completed Course A, E, or G, and five other year-hours in the department; and to seniors who have completed Course H, or G, by special permission. Tu., Th., 10. Professor Harris.

N. International Law.—First semester.—International Law, the general principles of the Law of Nations with reference to the relations of states in time of peace and of war, the rights and duties of neutrals; methods employed for the settlement of international difficulties. Second semester.—History and Diplomacy of the 18th Century, leading European treaties from Westphalia to Vienna in 1815: progress of international relations; rise of Prussia and Russia; decline of France; expansion of the British Empire. Open to students with fifty hours of credit, who have completed one full year course in the department. Primarily for graduates. Mon., Wed., Fri., 9. Professor Harris.

M. Seminary in American History.—Open to graduate students, and to others by special permission of the instructor. *Three year-hours.* Tu., 4-5; Th., 4-6. Not given in 1908-1909. Professor James.

M1. Mediæval Roman Institutions.—Designed to train students in the use of Latin sources and of modern authorities in French and German. Open to graduate students, except by special permission of the instructor. *One year-hour.* Time to be arranged. Dr. Thorndike.

M2. Rise of Prussia.—The political, intellectual, and economic development of Prussia and Germany since the time of the Great Elector; age of Frederick the Great; Napoleonic period; the Reaction; the Bismarck era. A reading knowledge of German and French, and the preparation of a thesis are required. Open to graduate students by special permission. *Two year-hours.* Not given in 1908-1909. Dr. Lichtenstein.

Italian

See Romance Languages and Literatures, page 110.

Latin Language and Literature

Professor Bonbright, Professor Long, Professor Oldfather, and Professor Flickinger

Major: Courses A, B, C or D, E or F, and J. Minor: Courses A and B.

Students who have presented for admission to College the full requirement of four units of foreign languages, including three units of Latin, may elect Latin (d), Vergil, four hours, in the Academy, and receive college credit for it.

A. Livy, Cicero, Horace.—First semester.—Cicero, De Senectute; Livy, selections. Second semester.—Livy; Horace, Odes, Book I. II. III. Open to students who have presented four units of entrance Latin. Mon., Wed., Fri., 8, 10, 11; Tu., Th., Sat., 9. Professor Long, Professor Oldfather, and Professor Flickinger.

B. Horace, Tacitus, Terence.—First semester.—Horace, Odes, Book IV, and Satires. Second semester.—Tacitus, Agricola, and Germania; Terence, Phormio. Open to students who have completed Course A. Mon., Wed., Fri., 9, 11. Professor Long and Professor Oldfather.

C. First semester.—Latin Literature,—Horace, Epistles; Quintilian, Bk. X. Second semester.—Catullus; Anthology. Open to students who have completed Course B. Mon., Wed., Fri., 11. Professor Bonbright.

D. First semester.—Latin Literature,—Catullus and the Latin Elegists. Second semester.—History,—Tacitus, Annals; Suetonius. Open to students who have completed Course B. Mon., Wed., Fri., 11. Not given in 1908-1909. Professor Bonbright.

E. First semester.—Dramatic Literature,—Plautus and Terence, selections; earlier Fragments. Second semester.—Satire and Epigram, —Juvenal; Martial. Open to students who have completed Course C or D. Tu., Th., 11. Professor Bonbright.

F. First semester.—Lucretius, readings with interpretation, introductory lectures. Second semester.—Philosophical selections.—Cicero. Seneca. Tu., Th., 11. Not given in 1908-1909. Professor Bonbright.

G. Graduate Course.—Study of a selected type or period of literary production, readings with oral and written reports. Open to students of advanced preparation. Time and credit to be arranged. Professor Bonbright.

H. Vergil.—First semester.—Bucolics and Georgics; lectures introductory to the study of Vergil and the Roman epic. Second semester.—Aeneid; preparation of papers on assigned topics with lectures.

Open to students who have completed Course C or D. Tu., Th., 4. Not given in 1908-1909. Professor Long.

J. Latin Composition.—Latin writing and discussions with lectures on the Latin language, methods of work, and problems in secondary teaching. Open to students who have completed Course A. Tu., Th., 3. Professor Long.

K. Caesar, Cicero.—First semester.—Selections from the Commentaries of Caesar; lectures on special phases of Caesar's works; assigned topics for reports. Second semester.—Selections from the early Orations of Cicero; study of rhetorical method and development of style, together with readings from the rhetorical works. Open to students who have completed Course C or D. Intended primarily for students who expect to teach. *Two year-hours.* Tu., Th., 4. Professor Long.

L. Roman Law.—Morey's Outline; Gaius, Institutes. Hours to be arranged. *Two year-hours.* Not given in 1908-1909. Professor Long.

Greek and Roman Archaeology.—See Greek K.

Mathematics

Professor Holgate, Professor Curtiss, Mr. Wilson, Dr. Morehead, Dr. Moore, Mr. Marietta, and Mr. Dines

Major: Courses A1 and A2, (or A3,) B1, and six additional year-hours, which must include at least one C-course. Minor: Courses A1 and A2, and B1 or B2; or Courses A3 and B1.

Course A1 or its equivalent is required of all candidates for a degree. Courses A1 and A2, or Course A3, must precede all more advanced courses in the department.

A1. Plane Trigonometry and Analytical Geometry.—First semester.—Review of Algebra. Plane Trigonometry, including the solution of oblique triangles. Second semester.—Plane Analytical Geometry; an elementary course on the straight line and conic sections. In the section which meets Mon., Wed., Fri., 11, the order of subjects is reversed and this section is, for the first semester, open only to students who have presented Plane Trigonometry for admission. Required of all candidates for a degree except those who elect Course A3. Mon., Wed., Fri., 8, 9, 10, 11, 11, and 2. Tu., Th., Sat., 8, 9 Professor Curtiss, Dr. Morehead, Dr. Moore, Mr. Marietta, and Mr. Dines.

A2. Algebra.—Ratio and proportion; the progressions; the graphical treatment of simultaneous quadratic equations; the binomial theorem for positive integral exponents; determinants; the numerical solu

tion of equations. This course should be taken concurrently with A1. A half-year course, given each semester. Open to all students. Tu., Th., 11. Dr. Moore.

A3. Algebra, Trigonometry, and Analytical Geometry.—First semester.—Algebra and Plane Trigonometry; the equivalent of Course A2 and the first half of A1. Second semester.—Analytical Geometry, an elementary course on the straight line and conic sections with an introduction to the geometry of three dimensions. Open to all students. Mon., Tu., Wed., Th., Fri., 8, 10. Mr. Wilson and Mr. Marietta.

A4. Solid Geometry and Plane Trigonometry.—Open to students who have not presented Solid Geometry for admission. Mon., Wed., Fri., 10. Dr. Moore.

B1. Differential and Integral Calculus.—Rules for differentiation; infinitesimals and differentials; theorems of mean value; limiting values; partial differentiation; Taylor's theorem; indefinite and definite integrals; applications to geometry and mechanics. Open to students who have completed Courses A1 and A2, or Course A3. Mon., Wed., Fri., 8, 9. Professor Curtiss and Dr. Moore.

B2. Analytical Geometry and Advanced Algebra.—First semester.—Analytical Geometry of two and three dimensions. Second semester.—Topics in Advanced Algebra, including complex quantities, determinants, and the theory of equations. Open to students who have completed Courses A1 and A2, and in the second semester to those who have completed Course A3. It is strongly recommended that this course precede or accompany courses designated C. Mon., Wed., Fri., 8. Dr. Morehead.

B3. The Principles of Algebra and Geometry.—A critical and historical study of the logical foundations of secondary mathematics. This course is included in Education E and is designed especially for those who intend to teach. Open to students who have completed Courses A1 and A2, or Course A3, and who have a college credit of fifty semester-hours. Tu., Th., 10. Mr. Wilson.

C1. Advanced Calculus.—Infinite series; Taylor's theorem; partial differentiation; differential geometry; definite integrals over curves, surfaces and volumes; the Eulerian functions; Fourier's series; differential equations. Open to students who have completed Course B1. Mon., Wed., Fri., 11. Professor Curtiss.

C2. Analytical Mechanics.—Dynamics of a rigid body. Open to students who have completed Mathematics B1 and Physics B. Tu., Th., Sat., 9. Not given in 1908-1909. Mr. Wilson.

C3. Advanced Analytical Geometry.—An introduction to the study of some of the more important transformations, as projection,

inversion, and polar reciprocation. Much use is made of abridged notation and of homogeneous point and line coordinates. Open to students who have completed Courses A3 and B1, or Course B2. Mon., Wed., Fri., 9. Not given in 1908-1909. Professor Holgate.

C4. Modern Synthetic Geometry.—The introduction of infinitely distant elements into geometry; central projection; perspectivity and projectivity; generation of conics from projective forms; properties of ruled quadric surfaces; involution; poles and polars; systems of conics. Open to students who have completed Courses A3 and B1, or Course B2. Tu., Th., Sat., 9. Professor Holgate.

C5. Solid Analytical Geometry.—Open to students who have completed Courses A3 and B1, or Course B2. First semester. Mon., Wed., Fri., 9. Mr. Wilson.

D1. The Partial Differential Equations of Mathematical Physics.—The solution of problems in Heat, Electricity, Acoustics, etc., by means of Fourier's series and allied developments; a treatment of these developments; ordinary linear differential equations whose solutions are connected with these problems; the theory of the Potential Function. Open to students who have completed Course C1 or C2. Mon., Wed., Fri., 10. Professor Curtiss.

D2. The Theory of Functions.—Open to students who have completed Course C1. Mon., Wed., Fri., 2. Not given in 1908-1909. Professor Curtiss.

D3. The Theory of Numbers.—An introduction to the classical Theory of Numbers. Primarily for graduate students. Mon., Wed., Fri., 3. Dr. Morehead.

D4. Differential Geometry.—The Geometry of space curves and surfaces, investigated by means of the Calculus. Primarily for graduate students. Time to be arranged. Second semester only. Dr. Morehead.

D5. Ordinary Differential Equations.—Primarily for graduate students. Mon., Wed., Fri., 11. First semester only. Not given in 1908-1909. Dr. Moore.

D6. Vector Analysis.—Open to students who have completed Course B2 or Courses A3 and B1. Mon., Wed., Fri., 9. Second semester only. Mr. Wilson.

Music

Professor Lutkin, Professor Oldberg, Mr. Garwood, Mr. Dodge, and Miss Russell

The maximum credit which will be allowed for courses in Music is twenty semester-hours. Courses A and C, introductory courses in

Harmony and Sight Reading, are open to College students but bear no college credit. They must be satisfactorily completed, or the equivalent, before subsequent courses in the same subjects can be taken.

Members of the Glee Club who have served for one year and who can qualify for Course G may, upon the recommendation of the instructor, obtain a total credit of two semester-hours. Students who have fair ability as players of band instruments and have served two years in the University Band, may, upon recommendation of the instructor, obtain a total credit of four semester-hours.

A. Introductory Harmony, Form and Analysis.—Scale and melody writing; construction of the period; intervals and two-part writing; chord-reading; small two-part primary forms; triads, inversions, chord-connection in three and four parts, cadences, modulations, dominant sept-chord. Mon., Wed., Fri., 3; Tu., Th., 3; Sat., 9:30. Mr. Dodge.

B. History of Music.—A general survey of musical history and biographies of musicians. Recitations; class singing of specimens of Gregorian chant, early canons, and folk songs. Musical illustrations of later periods. Text-books: Clarence G. Hamilton's Outlines of Music History, and Myers' General History (revised edition). Th., 2, 3. Mr. Garwood.

C. Sight-Reading, Vocal.—Drill in scale and interval singing. Time sub-divisions, ear training, dictation, part-singing. Mon., Th., 4:15. Miss Russell.

D. Harmony.—Figured basses and harmonization of melodies, employing the use of triads, dominant, diminished, and supertonic sept-chords, with inversions, in dispersed harmony. Secondary sept-chords and chords of the ninth. Suspensions and tones foreign to the harmony. Organ-point, modulation, etc. Text-book: Chadwick's Harmony. Mon., Th., 11. Professor Lutkin.

E. Form and Analysis.—Chord-reading. Bach's inventions. Primary forms, principally from Mendelssohn and Chopin. Song or aria form. Minuets, marches, scherzos, rondos, theme and variations, the sonata form. Sonatas as a whole. Preludes and fugues. Tu., Fri., 11. Professor Lutkin.

F. History of Music.—Lectures on the growth of musical art as related to the events of general history and the development of literatures. Text-book: Henderson's How Music Developed. Mon., 2. Mr. Garwood.

G. Chorus and Choir Training.—The Monday evening sessions are the regular rehearsals of the Evanston Musical Club. The Wednesday sessions are at Music Hall, with the following outline of work: hymns, part-songs, anthems. Choral service of the Episcopal church.

Cantatas and oratorios. Ensemble singing in duets, trios, and quartettes. *One year-hour.* Mon., 8 p.m., Wed., 5. Professor Lutkin.

H. Counterpoint.—Counterpoint in the various species in two, three, and four parts. Tu., Fri., 10. Professor Lutkin.

I. Advanced Harmony.—Harmonization of chorals; remote modulations; unprepared and unresolved dissonances. Text-book: Foote and Spalding's Modern Harmony. Wed., 10. Professor Lutkin.

J. Composition.—Primary forms, including the minuet, scherzo, march, etc. Simple and elaborated accompaniments. Score-reading, including viola clef. Mon., Th., 1:30 to 3. Professor Oldberg.

K. Advanced History of Music.—Evolution of music; correlated arts. Lectures and class work. Text-book: Parry's Evolution of the Art of Music. Mon., 3. Mr. Garwood.

L. Analysis.—Bach's well-tempered clavichord. Beethoven's sonatas. Brahm's pianoforte works. Concertos. Wed., 11. Professor Lutkin.

M. Counterpoint, Canon, and Fugue.—Counterpoint in five or more parts. Double and triple counterpoint. Canons in the various intervals. Tu., 9. Professor Lutkin.

N. Vocal Composition.—Exercises in the application of rhythms and forms to verse. Songs, duets; trios, quartettes, and part-songs. The anthem and the unaccompanied motette. The canticles and communion service of the Episcopal church. Mon., Th., 10. Professor Lutkin.

O. Instrumental Composition.—Song or aria forms. The various sonata movements. Compositions for piano and strings, and for small orchestra. Mon., Th., 8:30 to 10. Professor Oldberg.

P. Analysis.—Chamber music. Organ compositions. Church cantatas. Oratorios and symphonies. Orchestral music from full score. Fri., 9. Professor Lutkin.

Q. Canon and Fugue.—Hours to be arranged. Professor Lutkin.

R. Vocal Composition.—The cantata, with piano and orchestral accompaniment. Fugal and double choruses. The oratorio and the mass. Tu., 2 to 4. Professor Lutkin.

S. Instrumental Composition.—The sonata form in piano and chamber music. The overture and symphony for full orchestra. Wed., 8:30 to 10:30. Professor Oldberg.

T. Public School Methods.—Study of the child voice. Methods of teaching. Practical demonstration. Chorus conducting. Mon., Th., 5. Miss Russell.

Philosophy and Psychology

Professor Coe, Professor Scott, and Professor Ewer

Major: Course A1 or A2, with B, G, and three additional year-hours; or Courses A1, C, and four additional year-hours. Minor: Course A1 or A2, with B, and two semester-hours not taken concurrently with Course A1 or A2; or Course A1 and Course C or E, or L1 and L2.

Students who desire to do extended work in this department should elect Philosophy A (either A1 or A2) as preliminary to all other courses in the department. Those who take but a single course in the department may elect Course A or Course D.

A1. General Psychology; Logic.—First semester.—A text-book on psychology; class room demonstrations and guidance to private observation; demonstration of apparatus and methods of experimental psychology; written exercises and experiments by members of the class; lectures and collateral reading. Second semester.—An outline of deductive and inductive logic; stress upon the methods of the sciences; written exercises in the detection of fallacies and the criticism of arguments. The second semester may be taken without the first. No preliminary course in the department required. Open to students who have a credit of thirty hours. Mon., Wed., Fri., 2. Professor Scott and Professor Ewer.

A2. General Psychology.—The first semester is identical with that of Philosophy A1. No preliminary course in the department is required. Open to students who have a credit of thirty hours. Mon., Wed., Fri., 2. Professor Scott.

B. Elementary Experimental Psychology.—Intended for students of general psychology who desire to become acquainted with laboratory methods. Planned for students who are taking Course A1, but it may be elected by those who have completed Course A1. Two consecutive hours of laboratory work are required for one hour of credit. Wed., Fri., 3 to 5. Professor Scott.

D. General Introduction to Philosophy.—Lectures, text-book, discussions. Intended for students interested in the nature of philosophy, its relations to life and to science, its systematic division, and the characteristic attempts to solve its problems. Course A1 is a useful preliminary, but is not indispensable. Open to students who have sixty hours of credit. Tu., Th., 11. Not given in 1908-1909. Professor Ewer.

E. Philosophy of Religion.—First semester.—The nature of religion, and its place in the life of humanity. Early religion and the

great religions of the world from a psychological standpoint. Text-book, lectures, collateral reading. Second semester.—The idea of God in the light of present psychological, philosophical, and scientific thought. Lectures and assigned reading. Open to students who have completed one year-course in the department. Mon., Wed., Fri., 4. PROFESSOR COE.

C. HISTORY OF PHILOSOPHY.—Text-book, lectures, reading of selected writings, especially from modern philosophy. Open to students who have completed one year-course in the department. Mon., Wed., Fri., 11. PROFESSOR EWER.

L1. ETHICS.—An introduction to ethical theory and to practical ethics. Text-book, lectures, reports. Open to students who have completed one year-course in the department. Mon., Wed., Fri., 3. First semester. PROFESSOR EWER.

L2. EDUCATION IN RELIGION AND MORALS.—A study primarily of principles and secondarily of methods applicable to the home, the public school, the Sunday school, and social and pastoral work. Coe's Education in Religion and Morals, with assigned reading. Open to students who have had at least one semester of psychology. Mon., Wed., Fri., 3. Second semester. PROFESSOR COE.

G. ADVANCED EXPERIMENTAL PSYCHOLOGY.—A continuation of Philosophy B, with the introduction of a limited amount of research. Two consecutive hours of laboratory work are required for one hour of credit. Open to students who have completed Philosophy B. *Two year-hours.* Time to be arranged. PROFESSOR SCOTT.

H. EDUCATIONAL PSYCHOLOGY.—The facts and principles of psychology which have a special bearing upon education. Daily practice in observing and interpreting mental phenomena. First semester.—The psychology of the learning process. Second semester.—The psychology of the teaching process. Open to students who have completed at least one semester of psychology. Tu., Th., 10. PROFESSOR SCOTT.

M. THEORY OF KNOWLEDGE AND METAPHYSICS.—First semester.—Theory of knowledge. Second semester.—Metaphysics. Lectures, readings from the principal literature of the subject, reports and discussions. Open to students who have completed Courses A1 and C. Tu., Th., 9. PROFESSOR EWER.

N. ADVANCED ETHICS.—Readings upon selected problems. For 1908-1909 the topic is the Ethics of Christianity with especial reference to the present Social Movement. Open to students who have completed Course L1. Admission requires consultation with the instructor. *Three to five hours.* Once a week for two hours. Time to be arranged. PROFESSOR COE.

F. Seminary in the Psychology and Philosophy of Religion.—For 1908-1909 the leading topic is the Origin and Early Development of Religion and Morality. Primarily for graduates; only in exceptional cases will undergraduates be admitted. *Five year-hours.* Tu., 7:30 to 9:30 p.m. Professor Coe, Professor Scott, and Professor Ewer.

Physical Culture and Hygiene

Professor Gillesby, Mr. Riley, and Miss Huegin

Regulations governing Athletics and the use of the Gymnasium may be found on page 136.

A. Hygiene.—Lectures on the care of the body and the place of exercise and athletic sports in the preservation of health. Tu., Th., 11. First semester. Professor Gillesby.

B. Gymnastic Exercise.—Dumb-bell, Indian-club, and other gymnastic exercises. Classes for men and for women. Careful physical examinations are made. Credit of one hour is given each semester for four hours a week of gymnasium practice. Mon., Tu., Th., Fri., 2, 3, 4, and 5. Miss Huegin and Mr. Riley.

Physics

Professor Crew and Professor Tatnall

Major: Courses A, B, and C. Minor: Course A and three additional year-hours not taken concurrently with Course A.

A. General Physics.—First semester.—General properties of matter, sound, heat. Second semester.—Electricity, magnetism, light. An introductory course requiring no mathematics beyond the requirements for entrance to college, intended to acquaint the student with the elementary facts and the general principles of physical science. Text-book: Crew's General Physics. One laboratory exercise each week. *Four year-hours.* Mon., Wed., Fri., 11. Professor Tatnall.

B. Mechanics.—An elementary experimental study of forces, moments of force, moments of inertia, elasticity, hydromechanics, an introduction to advanced physics and engineering. This is a course in pure Dynamics, and serves as an introduction to Applied Mechanics. Text-book: Crew's Principles of Mechanics. Two lectures and one laboratory exercise a week. The laboratory work is guided by especially prepared instructions. The laboratory is open every afternoon in the week except Wednesday and Saturday. Open to students who have completed Course A, or its equivalent. *Three year-hours.* Tu., Th., 11. Professor Crew and Professor Tatnall.

C. Electricity and Magnetism.—Two lectures and one laboratory exercise a week. The more general laws of electricity and magnetism are discussed; the practical equations employed in the laboratory are derived and discussed. Text-book: J. J. Thomson's Elements of the Mathematical Theory of Electricity and Magnetism. The laboratory is open every afternoon except Wednesday and Saturday. The laboratory work includes the measurement by one or more methods of current, resistance, electromotive force, temperature-coefficients, capacity; a study of the magnetic properties of iron and steel, thermo-electric effects, the use of Carey Foster bridge, potentiometer, copper voltameter, etc. Open to students who have completed Course A. *Three year-hours.* Mon., Fri., 8. Professor Crew.

D. The Alternating Current Circuit.—First semester.—The general theory of alternate currents as set forth in the treatises of Franklin and Esty, and Steinmetz. Second semester.—Laboratory practice with electro-dynamometer, oscillograph, measurements of inductance, capacity, impedance. For advanced students and graduates. Given in alternate years with Course F. Tu., Th., 10. Professor Tatnall.

E. Mathematical Physics; Electricity.—Essential to all advanced students of pure physics and to those contemplating electrical engineering of high grade, and recommended to students interested in applied mathematics. The course is intended primarily for graduates. Text-book: Abraham and Föppl's Theorie der Elektrizität. Given in alternate years with Course S. Mon., Fri., 9. Not given in 1908-1909. Professor Crew.

F. Mathematical Physics; Dynamics.—Dynamics of a particle, rigid dynamics, elasticity and fluid motion. For advanced students and graduates. Given in alternate years with Course D. Tu., Th., 10. Professor Tatnall.

S. Mathematical Physics; Optics.—The general theory of physical optics, spectrum analysis, and astrophysics, including the theory of optical instruments. Given in alternate years with Course E. Intended to be accompanied by laboratory work, the hours of credit for which are to be separately determined in each case. Drude's Theory of Optics represents the ground covered. For advanced students and graduates. Mon., Fri., 9. Professor Crew.

Romance Languages and Literatures

Professor Baillot, Mr. Kuhne, Dr. de Salvio, and Dr. Harry

Major: Course A and B and six additional year-hours, which must include at least two year-hours in French more advanced than Course B. Minor: Courses A and B.

French

Le Cercle Français meets on alternate Thursdays at 7:30 o'clock p. m., and is open to all students who have completed Course A in French.

AA. Elementary French.—DeBordes' Grammar. Whitney's Reader. Labiche's La Grammaire. Mérimée's Colomba, Sicard's Easy French History. Baillot-Brugnot's Composition. Labiche-Martin's Voyage de M. Perrichon. Papot-Williamson's Easy French Stories. Sand's La Petite Fadette. Simple dictation, private reading, and composition. This course may not be taken to remove language requirements for admission, and credit will not be given unless the full course is completed. Mon., Tu,. Wed., Th., Fri., 8, 9, 11, 2. Mr. Kuhne, Dr. de Salvio, and Dr. Harry.

AB. Intermediate French.—Open to students who have presented one unit of French for admission, and may not be taken to remove entrance requirements. Mon., Wed., Fri., 9. Dr. Harry.

A. Modern French.—Baillot-Brugnot's Composition. Advanced Grammar. Reading. Madame de Girardin's La Joie fait Peur. Eugène Scribe's Les Doigts de Fée. Coppée's On rend l'Argent. Freeborn's Contes de Daudet. Pailleron's Le Monde où l'on s'Ennuie. White's Contes de Maupassant. Victor Hugo's Quatre-Vingt Treize. Canfield's French Lyrics. Coppée's Le Pater. Victor Hugo's Hernani. Private reading: Cameron's Selections from Loti. Hennequin's Lessons in Idiomatic French. Essays. Open to students who have completed Course AA or its equivalent. Mon., Wed., Fri., 10, 11. Professor Baillot, Mr. Kuhne, and Dr. Harry.

B. Classic French Literature of the Seventeenth and Eighteenth Centuries.—First semester.—Seventeenth Century. Corneille's Le Cid, Polyeucte. Racine's Athalie. Molière's Le Misanthrope, L'Avare. Warren's Prose Writers of the 17th Century. Composition. History of the French Theater, in dictations. Collateral reading: Crane's La Société Française au 17e Siècle. Dictations and short lectures on the history of the theater in France. Second semester.—Eighteenth Century. Lesage's Gil Blas. Voltaire's Zaïre and letters. Beaumarchais' Le Barbier de Séville and letters. A study, with collateral reading, is also made of other authors of the eighteenth century. Exercises in French syntax. Open to students who have completed Courses AA and A. Mon., Wed., Fri., 9, 10. Professor Baillot.

C. General Survey of French Literature to the End of the Sixteenth Century.—Demogeot's French Literature and Darmesteter and Hatzfeld's Le Seizième Siècle en France will be used as textbooks, and collateral reading is assigned by the instructor. Dictations.

Papers on collateral reading. Open to students who have completed Course B. Tu., Th., 11. Mr. Kuhne.

D. Modern French Literature.—The literature of the Nineteenth Century, taking as a basis George Pellissier's Le Mouvement Littéraire au XIXe Siècle. Collateral reading. This course is given in French. Open to students who have completed Course B. Tu., Th., 9. Professor Baillot.

E. Advanced French.—Topics closely related to those of Courses C and D; students are expected to carry on special studies with prepared papers. Open to students who have completed Course C or D. *Two year-hours.* Time to be arranged. Professor Baillot.

F. Old French and Early French Literature.—Reading of old French literature in its original form. Phonology and morphology are touched upon slightly, serving as an introduction to the study of historical grammar. The texts are La Chanson de Roland; Aucassin et Nicolette; le Mystère d'Adam. Open to students who have completed Courses B, and C or D. Tu., Th., 10. Mr. Kuhne.

G. Scientific French.—Herdler's Scientific French. Articles from scientific periodicals. Open to students who have completed or are taking French A. *Three year-hours.* Time to be arranged. Professor Baillot.

H. Lectures on French Literature.—Open to students who have completed Course C or D. *Two year-hours.* Time to be arranged. Professor Baillot.

J. The Theater of the Seventeenth Century; Advanced Course.—Open to students who have completed Course C or D. *Two year-hours.* Time to be arranged. Professor Baillot.

K. French Conversation.—Open to students who have completed Course AA. *One year-hour.* Mon., Fri., 11. Mr. Kuhne.

Italian

A. Elementary Course.—Grandgent's Grammar and Composition. Bowen's Reader; Goldoni's La Locandiera; Pellico's Le Mie Prigioni; Manzoni's I Promessi Sposi, Selections from Dante's Inferno. Credit will not be given unless the full course is completed. Mon., Wed., Fri., 8. Dr. de Salvio.

B. Advanced Course.—General view of Italian literature. Advanced composition. Selections from Dante's Divina Commedia; D'Ancona e Bacci's Manuale della Letteratura Italiana, Vol. V; Verga's Cavalleria Rusticana ed Altre Novelle; Fogazzari's Fedele; Alfieri's Oreste. Open to students who have completed Italian A. *Three year-hours.* Time to be arranged. Dr. de Salvio.

C. Early Italian.—Lectures on Italian phonology and mor-

phology. The literature of the Trecento. Monaci Crestomazia dei primi secoli; D'Ancona e Bacci's Manuale della Letteratura Italiana, Vol. I. Open to advanced students and to others who satisfy the instructor of their fitness to take the course. *Two year-hours.* Time to be arranged. Dr. de Salvio.

Spanish

A. Elementary Course.—Hills and Ford's Grammar; Composition; Matzke's First Spanish Readings; Valdes' José; Galdós' Dona Perfecta; Moratin's El si de las Niñas; Ford's Spanish Anthology. Credit will not be given unless the full course is completed. Mon., Wed., Fri., 2. Dr. de Salvio.

B. Advanced Course.—Lectures on Spanish Literature with special emphasis on the modern period. Advanced composition. The following list will show approximately the range of reading: Selections from Cervantes' Don Quixote; at least one of Lope de Vega's and Calderón's selected plays; Ramón de Campoamor's Doloras; Galdós' Marianela; Fernán Caballero's La Gaviota; Echegaray's El Gran Galeoto; Valera's Pepita Jiménez; Tamayo y Baus' Un drama nuevo; Ford's Spanish Anthology. Open to students who have completed Spanish A. Tu., Th., 3. Dr. de Salvio.

C. Early Spanish.—Lectures on Spanish phonology and morphology. Spanish Literature to the fifteenth century. The texts: El Poema del Cid, edited by R. Menéndez Pidal; Adolph Keller's Altspanisches Lesebuch mit Grammatik und Glossar. Open to advanced students and to others who satisfy the instructor of their fitness to take the course. *Two year-hours.* Time to be arranged. Dr. de Salvio.

Scandinavian Languages

Dr. Simonsen and Mr. Hillberg

Norwegian-Danish

These courses are given in the Norwegian-Danish Theological School and students electing them are subject to the regulations of that school.

A. Norwegian-Danish Language.—For students with a reading and speaking knowledge of the language. After a thorough study of Hofgaard's larger Grammar the student is required to write essays and make translations from Norwegian-Danish into English and from English into Norwegian-Danish. *Four year-hours.* Time to be arranged. Dr. Simonsen.

B. Norwegian-Danish Literature.—For students who have a reading and speaking knowledge of the language. Text-book: Broch and Seip's History of Literature. *Three year-hours.* Time to be arranged. Second semester. Dr. Simonsen.

C. Elementary Study of Norwegian-Danish Language and Literature.—Text-book: Hofgaard's Elementary Grammar and Broch and Seip's History of Literature. Open to all students. *Three year-hours.* Time to be arranged. Dr. Simonsen.

Swedish

A. Elementary Swedish.—A thorough study of Sunden's Grammar; translations. Open to students who have a reading and speaking knowledge of the Swedish language. *Three year-hours.* Time to be ararnged. Mr. Hillberg.

B. Swedish Literature.—Select reading from foremost Swedish authors. Text-book: Karl Warburg's History of Swedish Literature. Open to students who have completed Course A. *Three year-hours.* Time to be arranged. Mr. Hillberg.

Semitic Languages

Professor Eiselen and Mr. Rapp

These courses are given in Garrett Biblical Institute, and students electing them are subject to the regulations of that school.

Hebrew

Minor: Courses A and B.

A. Elements of Hebrew Language.—Tu., Wed., Th., Fri., 9. Mr. Rapp.

B. Introduction to Hebrew Literature.—Exegetical and critical reading of selections from the prophetic and the poetic literature of the Hebrews. Open to students who have completed Course A. Wed., Th., Fri., 11. Professor Eiselen.

C. Graduate Courses.—(1) Studies in Hebrew Prophecy. Tu., Wed., 10. (2) The Messianic Ideas and Ideals of the Old Testament. *Two year-hours.* Time to be arranged. (3) Seminary; the religious life and the religious beliefs of the Hebrews, as shown in the activity and teaching of their religious leaders. *Two year-hours.* Th., 10. Professor Eiselen.

Assyrian

D1. Elementary Course.—Grammar; reading of easy historical texts. Open to students who have completed Hebrew A or its equivalent. *Two year-hours.* Time to be arranged. Professor Eiselen.

D2. Advanced Course.—Reading of historical texts. *One year-hour.* Time to be arranged. Professor Eiselen.

Aramaic

E. Elementary Course.—Study of the Aramaic language and por-

tions of the Old Testament. Open to Students who have completed Hebrew A, or its equivalent. *One year-hour.* Time to be arranged. Professor Eiselen.

Spanish

See Romance Languages and Literatures, page 110.

Zoölogy

Professor Locy, Dr. Harper, Mr. Hildebrand, and Mr. Stephens

Major: Course A and six additional year-hours. Minor: Course A and two additional year-hours not taken concurrently with Course A.

Course A or its equivalent is prerequisite to all other courses, but Course C may be taken concurrently with it. Courses of the B-group and those designated C and D may be taken either as second or third year subjects. Course F may be taken after completing Courses A, B1, and C.

A. Structure, Development, and Evolution of Animal Life.—A general educational course. Comparative study of living organisms; physiological side receiving much attention. First semester.—Observations on the properties of living matter; a few selected types of invertebrated animals. Second semester.—The basis of the doctrine of organic evolution is set forth and its present status indicated. A large part of the time of this semester is devoted to observations on the development of animals, using eggs of fishes, amphibia, and the chick. Open to those without previous instruction in zoölogy or biology; recommended to students who have had a year's work in the high school, for whom a special laboratory section is formed. Credit is not given unless the full course is completed. *Four year-hours.* Lectures: Tu., Th., 9. Professor Locy. Laboratory hours to be arranged between 9 and 12 daily, except Saturday. Professor Locy, Dr. Harper, Mr. Hildebrand, and assistants.

B1. Comparative Anatomy and Physiology of Vertebrates.—First semester.—Comparative Anatomy. Study of selected vertebrate types. The recitations and lectures are based on Weidersheim's Comparative Anatomy of Vertebrates. Second semester.—Vertebrate Embryology; a discussion of the broader problems opened by a study of the development of animals. Lectures and laboratory work. *Four year-hours.* Wed., Fri., 9. Laboratory work to be arranged on Tu., Wed., Th., Fri., 9 to 12. Professor Locy and Mr. Stephens.

B2. Invertebrate Zoölogy.—A course supplementing Course A. Attention is given largely to the animals of this region; to their life-histories, habits, distribution, and adaptation to environment. Some diversity is permitted in the work of students. *Three year-hours.* Mon., Wed., Fri., 8. Dr. Harper.

B3. Physiology.—First semester.—General Physiology. Repro-

duction, irritability, and metabolism from the standpoint of the cell and the lower animals. Experiments upon the lower forms are included in the laboratory work. Second semester.—Special Physiology. Open to Students who have had Course A or its equivalent. *Three year-hours.* Students without previous training in zoölogy may be admitted to a section in which the essentials of physiology are covered in a course of four hours for one semester. Mon., Wed., Fri., 2. Dr. Harper.

B4. Rise and Progress of General Biology and Zoölogy.—Historical lectures; from the renaissance of science to the present, particular attention to the beginning, the growth, and the modification of fundamental doctrines and principles that have become fruitful in the nineteenth century. Intended primarily for students taking other work in the department. Open to students who have pursued elementary work in General Biology. *One year-hour.* Tu., 4. Given in 1909-1910 and in alternate years. Professor Locy.

C. Cytology and Histology.—First semester.—Cell-life and elementary histology; anatomy and physiology of the cell, microscopical structure of the elementary animal tissues; the general methods of microscopical technique. Second semester.—Microscopical structure of the animal organs; the important special methods of microscopical technique. Text-books: Wilson's The Cell in Development and Inheritance and Stöhr's Text-book of Histology. *Three hours.* Mon., 9. Laboratory hours to be arranged. Dr. Harper.

D. Physiology.—Intended for students preparing for medicine. Includes the work of the first year of Physiology in the Medical School, and is accepted in full for that course. Based on Hall's text-book and laboratory manual. Open to students who have completed Courses A and B1. *Three year-hours.* Mon., Wed., Fri., 3. Dr. Harper.

E. The Central Nervous System and Its Terminal Organs.—First semester.—Comparative structure of the central nervous system, with discussions of some of its physiological activities. Lectures and demonstrations. Second semester.—The structure and evolution of sense-organs. Two hours of credit may be secured by additional laboratory work. *One year-hour.* Given in 1908-1909 and in alternate years. Professor Locy.

F. Topics of Investigation.—An introduction to original research. Limited problems are assigned and worked out under the direction of the professor in charge. Consultation of the literature bearing on the problem; a thesis embodying results. A reading familiarity with French and German is essential. Open to students who have completed Courses A, B1, and C. Credit and time to be arranged. Professor Locy.

G. Research Work.—Similar to Course F, but with broader scope.

The thesis must embody a critical review of the important literature and must show substantial conclusions based upon the work of the student. Means of publication will be found for worthy papers. For graduate students who have completed the equivalent of the courses designated above; may be elected either for ten or for fifteen hours of credit. Time to be arranged. PROFESSOR LOCY.

Special Courses in Art

HISTORY OF MEDIAEVAL AND MODERN ART.—Thirty lectures on the history of mediaeval and modern art. 1908-09—Florentine Art; Art of the Netherlands; German Art. The course, with certain additional work, carries a credit of two year- hours. Wed., 4. MRS. DICKINSON.

ART APPRECIATION.—Principles of Art. Color Qualities and Color Schemes. Studies in Art Principles and their Applications. This course bears a credit of four semester-hours, or with additional laboratory work six-semester-hours. Tu., Th., 3. Laboratory work to be arranged. MISS SKINNER.

DRAWING AND PAINTING.—A course supplementary to the preceding course. Time to be arranged. MISS SKINNER.

Summer Courses

Special courses are offered during the summer vacation by members of the Faculty of the College of Liberal Arts. These are intended primarily for teachers and for undergraduates wishing to make up deficiencies, but are open to any persons qualified to take them. The courses bear appropriate college credit.

Extension Courses

The University offers courses in the University Building, Chicago, especially adapted to the needs of teachers in high schools and in the grades.

Each course consists of twelve lectures of one and one-half hours, given in consecutive weeks, at such hours on Saturday and on other days as meet the convenience of those who register for them. Courses are announced from year to year forming systematic programs of study, and as far as possible arrangement is made for courses for which there is a demand. The University reserves the right to withdraw any course announced if the registration does not reach twelve persons.

Courses are also offered to meet the needs of students admitted to the professional schools without full preliminary education, and a course in Human Anatomy is conducted in the laboratories of the Dental School for college students who desire thus to complete the first year of medicine.

GENERAL STATEMENTS

PROFESSIONAL STUDIES

Many of the courses announced in the preceding pages have a bearing more or less direct on the professional or other career which the student may have in contemplation, and elective studies may well be chosen accordingly. The following paragraphs contain the regulations under which a student may in some cases shorten the time required to secure both an academic and a professional degree.

College credit for studies pursued in professional schools is in all cases restricted to work done in the schools of Northwestern University. Time spent in a professional school cannot be counted toward meeting the requirement of one year of residence demanded of all candidates for a bachelor's degree.

Preparation for Medicine

The Bachelor's Degree and the Medical Degree in Seven Years. —Students intending to enter the Medical School, and desiring to shorten the time required for degrees in both Arts and Medicine, may be released from further work in the College of Liberal Arts when they have secured ninety hours of credit. This credit must, however, include all the required studies for the degree sought, as shown on pages 74 and 75, and must fulfill the requirements for a major and a minor. If the student's work is properly planned this necessary credit can be secured in three years.

Under this provision students may give their full time during the fourth year to work in the Medical School, but must continue registration in the College as if in regular attendance. A certificate from the Medical faculty that the equivalent of a full year's work has been satisfactorily accomplished is accepted by the College as completing the one hundred and twenty hours required for the bachelor's degree. Credit is not accepted from the Medical School for subjects for which credit has already been given in the College.

This plan of combined courses makes it possible to secure both degrees in seven years, three in the College and four in the Medical School. For all work done in the Medical School the fees of that school must be paid.

On the other hand, some courses offered in the College of Liberal

Arts cover corresponding courses in the Medical School, and may be taken for credit in that school. Students who have had an elementary course in Physics and who complete Chemistry A and B, and the second semester of Chemistry C, Volumetric Analysis, in the College laboratories are given credit for Chemistry a, b, c, d, e, f, that is, for the first year Chemistry in the Medical School. Those who complete Zoölogy A, B1, C, and D receive credit for Histology and Embryology a, b, c, d, e, and Physiology a, b, c, d, e, in the Medical School. Students who include these courses in their college program may transfer to the Medical School at graduation with approximately a year of advanced credit. They can thus complete the Medical course in three years, securing both degrees in seven years, four in the College and three in the Medical School.

The Bachelor's Degree and the Medical Degree in Six Years.—By careful planning from the first, the student may include in his first ninety hours of credit the courses in Chemistry and Zoölogy mentioned above, and satisfy the requirements as to specified subjects and as to major and minor. He may enter the Medical School for his fourth year, completing the requirements for both degrees in six years, three in College and three in the Medical School. This, however, can be done under only favorable conditions. The course in Anatomy required in the first year of the Medical program may be completed in the laboratories of the Dental School during the third year of residence in College; but this may not be included in the ninety hours of required residence credit.

The student intending to spend but three years in actual attendance upon lectures in the Medical School must register in that school a year in advance.

The following order of studies in College is suggested to those who wish to secure both degrees in six years:

First Year.—English Language A, 3 hours; Mathematics A1, 3 hours; Foreign Languages, 3 hours; Chemistry A, 4 hours; Zoölogy A, 4 hours.

Second Year.—Foreign Languages, 3 hours; Chemistry B, 4 hours; Zoölogy B1, 4 hours; Zoölogy C, 3 hours; Elective work, 3 hours.

Third Year.—English Literature A, 2 hours; Economics, History, or Philosophy, 3 hours; Chemistry C, 3 hours; Zoölogy D, 3 hours; Anatomy, three afternoons a week, 5 hours.

Preparation for Law

The Bachelor's Degree and the Law Degree in Six Years.—Thirty semester-hours of work done in the Law School of this University are accepted by the College of Liberal Arts toward meeting the

requirements for a bachelor's degree. Consequently, a student in College who has secured ninety hours of credit, including all of the required studies described on pages 74 and 75, and who has met the requirements for a major and a minor, may transfer to the Law School at the end of his third year and complete there the work for the collegiate bachelor's degree. Students so transferring, however, must continue their registration in College, during their fourth year, and are required to pay the Law School fees while pursuing studies in that school.

The satisfactory completion of the first year of the Law School course, as certified by the faculty of that School, is deemed sufficient to make good the remaining credit of the one hundred and twenty hours required for the Liberal Arts degree.

A full four year course in College is recommended by the faculty of the Law School as preparatory to the study of law, and students are urged to complete as much as possible of a full College course before entering the Law School. The following program, which meets the requirements for a bachelor's degree, is suggested by the Law School faculty as best adapted to the needs of Law students:

First Year.—Mathematics A1, 3 hours; English Language A, 3 hours; Latin A, 3 hours; History A, 3 hours; Chemistry A or Physics A, 4 hours.

Second Year.—English Literature A, 2 hours; German A, 3 hours; English Language B, 2 hours; Latin B, 3 hours; History B, C, or BC, 2 or 3 hours; Economics A, 3 hours.

Third Year.—Latin C, 3 hours; English Language F, 2 hours; History E and N, or S1, 5 hours; Economics B6 and C3, 5 hours.

Fourth Year.—Latin F, 2 hours; English Literature D, H, or I, 2 or 3 hours; History K, 2 hours; Philosophy A1, 3 hours; Economics C1 and C2.

Preparation for Dentistry

Students in the College of Liberal Arts who intend to take up the study of Dentistry are advised to pursue courses in Latin, English, Mathematics, and the Sciences, including Physics. Those who have completed Zoölogy D, Zoölogy C, Chemistry A, and Chemistry B, will be given advance credit in the Dental School for Physiology a,b,c,d, Histology a,b,c, and Chemistry a,b,c,g.

Preparation for Theology

Students in the College of Liberal Arts who have sixty semester hours of credit and who wish to shorten the time for securing degrees in Arts and Theology, may elect certain courses in Garrett Biblical

Institute to the amount of thirty semester-hours, thereby reducing the time for the two degrees by one year.

For convenience, the courses in the Institute open to College students are listed among those offered in the College of Liberal Arts, and are repeated here as they appear in the Institute catalogue.

Hebrew of the Junior, Middle, and Senior years; Assyrian; Greek of the Junior, Middle, and Senior years in the degree course; History of the Christian Church; Christian Doctrine.

Since exegesis plays so large a part in a theological course, students contemplating the study of Theology should secure while in College a ready command of the Greek and Hebrew languages. A knowledge of German will prove serviceable.

Preparation for Pharmacy

Students who have secured ninety semester hours of credit in the College of Liberal Arts, including the prescribed courses for their degree, and the requirements for a major and a minor, may enter the School of Pharmacy, and fulfill the total requirements for the bachelor's degree by satisfactorily completing the work of the first year in the course for the degree of Pharmaceutical Chemist.

The credit in the College of Liberal Arts for work done in the School of Pharmacy may not exceed thirty semester-hours, and it may not include any items for which credit in the College has already been secured. Students taking work in the School of Pharmacy must pay the fees of that school.

Preparation for Business or the Public Service

Students preparing for a business career or to enter the public service will find ample opportunity for study along helpful lines in the departments of Economics and History. The program of required studies for the bachelor's degree permits the student to devote to special study in these departments nearly the whole of the third and fourth years, and some time also in the first and second years.

Students preparing for business are advised to secure a good reading knowledge of two modern languages besides English, and an acquaintance with the elements of at least two sciences.

The following schedule of courses is suggested for students who expect to follow a business career or who desire to enter the public service:

First Year.—Mathematics A1, 3 hours; English Language A, 3 hours; French or German, 3 hours; History A, 3 hours; Chemistry A or Geology A1, 4 hours.

Second Year.—German or French, 3 hours; English Literature A,

2 hours; Economics A, 3 hours; History, 3 hours; Elective work, 4 hours.

THIRD YEAR.—Physics or other science, 4 hours; Spanish, 3 hours; History, 3 hours; Economics, 5 or 6 hours.

FOURTH YEAR.—History, 3 hours; Economics, 6 hours; Geology A2, 3 hours; Elective work, 3 hours.

Preparation for Foreign Service

Students who wish to prepare for the consular or other foreign service will find ample opportunity for helpful study in the departments of Modern Languages, Economics, and History. The program of required studies for the bachelor's degree permits the student to devote to study in these departments nearly the whole of the third and fourth years; and some time also in the first and second years.

Students preparing for the foreign service are advised to secure a good reading knowledge of two modern languages besides English, an acquaintance with the elements of two sciences, and a thorough grasp of those subjects required in the United States' consular examinations. The most important of these are: French, German, or Spanish; the resources, commerce, history and government of the United States; the elements of political economy, trade statistics, and international, commercial, and maritime law; political and commercial geography; modern history, since 1850, and diplomacy of Europe and the Far East.

The following schedule of courses is suggested for students who are planning to enter the consular or other foreign service:

FIRST YEAR.—Mathematics A1, 3 hours; English Language A, 3 hours; French or German, 3 hours; History A or E, 3 hours; Chemistry A, 4 hours, or Geology A2, 3 hours.

SECOND YEAR.—German or French, 3 hours; English Literature A, 2 hours; History BC, 3 hours; Economics A, 3 hours; Elective Work, 4 hours.

THIRD YEAR.—Physics or other science, 4 hours; Spanish, 3 hours; History G, 3 hours; History N, 3 hours; Economics B2, 3 hours.

FOURTH YEAR.—History K, European Diplomacy, and S1, American Diplomacy, 4 hours; Economics B6, Administration, 3 hours; Economics B1, Industrial History and Commercial Geography, 2 hours; Economics C2, Public Finance and Taxation, 2 hours; or Economics C3, Private and Corporation Finance, 2 hours; Elective Work, 3 hours.

Preparation for Teaching in Secondary Schools

Students expecting to teach in secondary schools will find it advantageous to elect in College a considerable number of courses having a

professional bearing. A major should be taken in the department in which the student wishes to be specially qualified, and a minor, or if possible a second major, in a closely related department. Beginners in high schools are frequently required to teach more than one subject and it is a wise precaution to be qualified in at least two or more departments. The courses in the Department of Education are designed to meet the needs of students seeking an acquaintance with the progress of education and the development of educational theory as liberal culture and desiring professional training for teaching.

The following schedule is suggested for prospective teachers:

First Year.—English Language A, 3 hours; Mathematics A1, 3 hours; two of the following: Latin A, Greek A, French A, German A, 6 hours.

Second Year.—English Literature A, 2 hours; Education A, General History of Education, 3 hours; Science, 4 hours; Elective, including a course in the major subject and also a course in the minor subject, 7 hours.

Third Year.—Philosophy A, General Psychology, 3 hours; Education B or J, 3 hours; Major subject, 3 hours; Minor subject, 3 hours; Eective work, 3 hours.

Fourth Year.—Education C, D, or H, 2 hours; major subject, 6 hours; Elective work, which may well include work to complete a second major, 7 hours.

Special Testimonial for Prospective Teachers.—To meet the increasing demand on the part of School Boards for teachers who have had professional training, the College Faculty has authorized the issuance from the Registrar's Office, on request, of a testimonial supplementary to the Bachelor's diploma, bearing the signatures of the Registrar and the Secretary of the Faculty, and certifying that the applicant has completed certain enumerated courses in Education and Psychology with satisfactory credit. The testimonial will further specify the department or departments in which the applicant has completed the major or minor requirement, and which he is deemed competent to teach.

Only those persons are eligible to this testimonial who have completed the requirements for a degree, including at least the minor in Education, twelve hours, and one course in Psychology.

GRADUATE STUDIES

Advanced courses of study adapted to the needs of graduate students are offered by the various departments as announced in the general list of courses. These courses are in excess of the requirements for an undergraduate major, and may be pursued either with or without

reference to an advanced degree. They are open to properly qualified candidates from this and from other universities.

The conditions under which students may register for graduate work are given below, and the regulations affecting advanced degrees may be found on pages 125 and 126. The work of such students is under the supervision of a standing committee of the Faculty. In general a graduate student may pursue any study for which, in the judgment of the instructor in charge, he has adequate preparation.

Following are the rules governing graduate registration:

1. Resident candidates for a Master's degree must register not later than the tenth of October next preceding the date of the final examination. The registration of non-resident candidates must be effected one year earlier than this date. Residence requires regular attendance upon all prescribed lectures or other exercises in the courses which the candidate pursues. Such prescribed lectures and exercises occur at least once a week in each course of instruction.

2. A student desiring to become a candidate for a Master's degree while enrolled in one of the professional schools of Northwestern University, under Rule 4, page 125, must register in the College of Liberal Arts as a graduate student, and upon such registration he is regarded as a resident candidate.

3. A graduate of a professional school of Northwestern University desiring to become a candidate for a Master's degree, under Rule 4, page 125, must register in the College of Liberal Arts as a graduate student as early as the first Monday in October next following the completion of the professional course.

4. A candidate for a Doctor's degree must register not later than the first Monday in October next preceding the date of the final examination.

5. A candidate for an advanced degree must, prior to his registration, furnish the Registrar with all data required for the due record of his application, and with a statement of the courses of study he proposes to pursue, and must file the approval of the application and the statement of courses by the Committee on Graduate Study and by the heads of the departments in which the work is to be taken.

6. Graduates of this, or of any other college, not candidates for an advanced degree may, with the consent of the departments concerned, register as resident students in such advanced studies as they are found prepared to pursue.

REQUIREMENTS FOR DEGREES

The Bachelor's Degree

The programs of study described on pages 74 and 75 lead to the degrees of Bachelor of Arts and Bachelor of Science respectively.

1. The candidate for a Bachelor's degree must file with the Regis-

trar, on or before the last Saturday in May in the year next preceding that in which he expects to obtain the degree, an application upon a form provided by the University.

2. He must have pursued studies in residence in the College of Liberal Arts of Northwestern University for at least one college year before the degree can be conferred.

3. He must complete all the prescribed courses for the degree, sought and in addition elective courses sufficient to make a total credit of one hundred and twenty hours, and including the major work in at least one department and the minor work in at least one other department.

4. In making up the total credit required for a degree, not more than one-fifth of the work done under the College Faculty may be of grade D.

5. No student who has not removed all entrance conditions and secured on record a total of at least eighty-four hours of credit, including all required studies of the first year by the first of October, can be recognized as a candidate for a degree at the close of that year.

The Master's Degree

A Masters' degree may be conferred upon Bachelors of Northwestern University, or of any other institution of accepted grade, under the following regulations:

1. A candidate must pursue studies in residence in the College of Liberal Arts of Northwestern University for at least one year, except as stated below.

2. A Bachelor of Northwestern University may become a non-resident candidate for the corresponding Master's degree, but such candidate cannot receive the degree earlier than two years after graduation. Graduates of other institutions are not admitted as non-resident candidates for a degree.

3. A Bachelor of Northwestern University, or of another institution of accepted grade, may become a candidate for a Master's degree while pursuing studies in the Medical School or Law School of this University, or in Garrett Biblical Institute, or upon the completion of the professional course in one of these schools, subject to the provisions of Rules 2 and 3 on page 124.

4. The candidate for a Master's degree must present credit in approved courses of study amounting to thirty semester hours. If he is enrolled in one of the professional schools above enumerated, or is a graduate therefrom, he must obtain credit amounting to twelve semester hours of advanced work in an approved field, in addition to the maximum prescribed professional course.

This advanced work may be taken either under the Faculty of the

College of Liberal Arts or under the Faculty of the professional school, but in any case it must be approved by the Committee on Graduate Study of the College of Liberal Arts.

5. At least one-half of the work offered for a Master's degree must be chosen from one or at most two departments of study in which the candidate has previously taken the undergraduate major work or its full equivalent.

6. The candidate must present a thesis on an approved topic pertaining to his primary subject. The subject of his thesis must be filed with the Registrar not later than the first Wednesday in December; and the thesis itself must be filed with the Registrar not later than the second Saturday of May. It shall be printed or typewritten in prescribed form and a copy shall be furnished to the library of the College of Liberal Arts.

7. The candidate for a Bachelor's degree who during his undergraduate course devotes excess time to the continuation of his major subject, or to other advanced topics approved by the Committee on Graduate Study, may for such work receive credit toward a Master's degree; but in no case will the Master's degree be conferred in less than one year after the conferring of the Bachelor's degree.

8. A non-resident candidate for a Master's degree will be required, at stated times, to make written reports on the progress of his work

9. The final examination of the candidate for the Master's degree takes place at the University at an appointed date, about May 20. The examination is conducted by a committee composed of the head of the department in which the student has done his primary work and not less than two other members of the Faculty chosen from the same or from related departments. The committee in the case of a candidate doing work in a professional school shall include two members of the Faculty of the College of Liberal Arts.

The Doctor's Degree

The degree of Doctor of Philosophy is conferred under the following regulations:

1. A candidate for the degree of Doctor of Philosophy must have received the Bachelor's degree from Northwestern University, or from some other institution of accepted standing.

2. The degree may be conferred on successful candidates after three years of graduate study, of which at least two must be in residence. The last year, or the first two years, must be spent in residence at Northwestern University. The period of three years may, however, be shortened in the case of students who, as undergraduates, have pursued special studies beyond the requirement for major work in the direction of their proposed graduate work. Study for a specified time

will in no case be regarded as sufficient ground for conferring the degree, but high attainments in scholarship and evidence of original investigation are demanded.

3. The candidate must give two-thirds of his time to one department in advanced work, which shall constitute his primary subject, and the remaining time to either one or two secondary subjects. The requirement, "advanced work," implies preliminary study in the given subject equivalent to at least an undergraduate major in the department concerned.

4. The candidate must have a reading knowledge of French and German as a preliminary qualification, but in exceptional cases an equivalent in Latin, Greek, or Hebrew may be accepted instead of French.

5. The candidate must present a thesis upon an approved topic pertaining to his primary subject. The thesis must give evidence of original investigation. A revised typewritten copy in prescribed form must be filed with the Registrar as early as the Saturday next preceding the last Monday in April. If the thesis is approved the candidate must, within such time as shall be designated, present twenty-five printed copies of it to the University Library. The final examination is held about May 20, both written and oral, and covers the entire primary subject, including the topic of the thesis.

The secondary subject, or subjects, may be discontinued when the candidate has fulfilled the requirements of attendance at lectures and has passed a written examination.

Special Regulations Affecting the Doctor's Degree

Students in Garrett Biblical Institute may become candidates for the degree of Doctor of Philosophy under the following special regulations. The general regulations affecting examinations, theses, and a knowledge of foreign languages apply to these candidates.

1. The candidate must have completed a Bachelor's course, the sufficiency of which has been accepted by a joint committee of the Faculty of the Institute and of the Faculty of the College of Liberal Arts.

2. He must have completed two full years of theological study, either in Garrett Biblical Institute or in another theological school of recognized standing.

3. He must thereafter be accepted as a candidate for the degree of Doctor of Philosophy by a vote of the Faculty of the Institute, and must be registered as a candidate for such degree with the College of Liberal Arts; he must then continue in residence at least two years, and must complete the work of two full years. Of this work two-thirds must be taken in one department of the Institute; the remaining

one-third may be taken in not more than two departments of the Institute or of the College of Liberal Arts. The whole course of study selected is subject to the approval of the faculty of the College of Liberal Arts, through its Committee on Graduate Study. During these two years of residence the candidate is subject to the direction of the head of the department in which his primary work is taken.

4. Of the four years required for the degree of Doctor of Philosophy, three at least must be spent in residence at a theological school of high standing, and the last two must be spent in Garrett Biblical Institute.

PRIZES AND HONORS

Fellowships

University Fellowships.—For the promotion of graduate study and research, the University awards annually fellowships of three hundred dollars each. These are assigned from year to year to various departments according to the merits of the applicants and the conditions of the departments.

They are open to men and women, whether graduates of this University or of other institutions. Appointments to fellowships are made for one year.

Fellows are not required to pay tuition fees, but may be called upon to give limited assistance in the work of the department, not, however, to such an extent as to interfere with the primary purpose of the fellowship. Fellows entering from other institutions must pay the matriculation fee.

Application for appointment as a Fellow should be made not later than the first of April. Awards are made not later than the first of May. Blank forms for applications may be had from the office of the Registrar.

The Woman's Club Fellowship.—The Woman's Club of Evanston has established a fellowship of three hundred dollars a year for the promotion of research in the field of Household Economics. The fellowship is open to women graduates of any college of accepted rank. The appointment carries with it free tuition, but the holder is expected to render limited assistance in the work of the Woman's club along lines closely related to her studies. The appointment is made by the President of the University early in September. Applications, accompanied by full information as to the character and training of the applicant, and by an outline of the work proposed, should be in hand before the first of September.

University Settlement Fellowship.—This fellowship yields an income of three hundred dollars, contributed by the students of the College of Liberal Arts, and carries exemption from tuition fees. The holder is required to reside in the Northwestern University Settlement.

Scholarships

The following scholarships are awarded annually to meritorious undergraduates in the College of Liberal Arts. Applications for appointment should be made to the Dean of the College not later than the first day of May in each year.

Catherine M. White Scholarships.—From a bequest of nine thousand dollars received under the will of Catherine M. White, of Evanston, there have been established three scholarships paying full undergraduate tuition fees. The recipients must hold themselves responsible for limited clerical service.

Missionary Scholarships.—The University, in June, 1899, established two scholarships in the College of Liberal Arts, to which the Northwestern Branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church may nominate persons intending to enter upon mission work in the foreign field. These entitle the holders to free tuition. In making nominations preference is given to students from foreign lands.

Methodist Episcopal Church Scholarship.—This scholarship, yielding annually the intertest on seven hundred and fifty dollars, was founded by the First Methodist Episcopal Church of Evanston for the benefit of a meritorious student, and is awarded by the officers of the church.

University Guild Scholarship.—This scholarship, founded by the University Guild of Evanston, affords to a young woman an income equal to the tuition fee in College. The holder is responsible for certain duties in the Guild Rooms.

First Year Scholarships.—Fifty scholarships are awarded annually to select members of the incoming class, upon applications endorsed by the principal and faculty of the secondary school from which the applicant graduates. The applicant must meet the full entrance requirements and must present certificates from the teachers in his secondary school for excellence of character, physical vigor, manliness, and promise of usefulness as a citizen. The award is made at the University by a committee of the College faculty.

Marcy Scholarship in Biology.—The University has at its disposal a table at the Marine Biological Laboratory, Wood's Holl, Massachusetts, for the use of advanced students from the biological departments of the College of Liberal Arts. The occupants of this table are entitled to all the privileges of the laboratory, including instruction, lectures, and the use of appliances and apparatus.

The American School of Classical Studies at Rome.—The University is a contributor to the American School of Classical Studies at

Rome, and is represented on its Board of Managers by a member of the Faculty. The school affords facilities for archæological and classical investigation and study in Rome, and graduates of the University are entitled to its advantages without tuition fees.

Prizes

The following prizes are open to candidates for a degree in the College of Liberal Arts. A successful contestant may not again compete for the same prize. Unredeemed failures in more than one department of study at the time for appointing contestants prohibit a student from competing for any prize.

The John B. Kirk Prize in Oratory.—This prize of one hundred dollars was established in 1877 by Mr. James Kirk of Evanston, and is now the gift of Mrs. John B. Kirk. It is awarded each year for excellence in original oratory, under the following regulations:

1. Orations submitted in competition must not exceed two thousand words and must be typewritten.

2. They must be deposited with the Registrar not later than noon of the Friday next following the close of the Christmas recess.

3. Any student of the University who has not received a bachelor's degree is entitled to compete.

4. The four contestants receiving from a committee of the Faculty the highest marks in thought and composition for their original orations shall receive the sum of fifteen dollars each and shall be entitled to participate in a public contest.

5. The public contest shall be held on the evening of the first Friday in March. The contestant who receives the highest marks in this contest, special emphasis being laid upon interpretation and delivery, shall receive the additional sum of forty dollars and shall be entitled to represent the University in the Northern Oratorical League.

6. The successful competitor in the public contest shall be known as the Kirk Prize winner, and the names of the remaining three contestants shall appear in the University publications as receiving honorable mention. The winner of the Kirk Prize shall present to the donor a typewritten copy of his oration.

The Harris Prize in Political and Social Science.—A prize of one hundred dollars, the gift of Mr. Norman Waite Harris, of Chicago, is awarded to the writer of the best essay on an assigned topic in the department of Economics, Finance, and Administration.

1. No undergraduate student is eligible for this prize unless he shall have completed at the time of making the award the equivalent of Courses A and at least three additional year-hours in Economics.

2. Essays offered in competition must contain not less than ten thousand words, and must be either printed or typewritten. If type-

written, they must be on letter paper of a good quality, of quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound without injury to the writing. On the title-page of each essay must be written an assumed name, and under cover with the essay must be sent a sealed letter containing the real name of the writer and superscribed with his assumed name.

3. The copies of all essays submitted for this prize become the property of the University, and the essay receiving first place shall have endorsed upon it a certificate of that fact.

4. An essay submitted in competition must be deposited with the Registrar of the College before twelve o'clock noon on May 1.

5. The Faculty appoints three judges and the award is made for the essay declared to be the best by at least two of the judges, provided that the University reserves the right to make no award if, in the opinion of the majority of the judges, the best essay shall not be of sufficient merit.

The Gage Debate Prizes.—Prizes aggregating one hundred dollars are given annually by the Honorable Lyman J. Gage for excellence in debate.

The recipients of these prizes are selected through a series of debates, held in the autumn of each year, to which students from all departments of the University are eligible. The winners of the Gage prizes become the representatives of the University in the annual contest of the Central Debating League.

The Sargent Prizes in Public Speaking.—Two prizes of fifty and twenty-five dollars, respectively, endowed by Mr. George M. Sargent, of Evanston, are given for excellence in public speaking.

1. Eight candidates are appointed by the Faculty from students who have completed not less than fifty hours of college work including Elocution B.

2. At least one of the prizes must be given for an oratorical effort. A declamation may not exceed twelve hundred words.

3. No prompting of the speakers will be allowed, and a failure of memory will exclude a competitor from consideration.

4. The award is made by a committee appointed by the Faculty, but composed of persons who are not members of that body.

The Orrington Lunt Prize.—A prize of one hundred dollars, established in 1908 by Cornelia Gray Lunt, in memory of her father Orrington Lunt, is awarded annually to the writer of the best essay on a subject in the departments of English Literature and History. The subject is assigned in the respective departments in alternate years. At the time of the award, the writer must have completed the major course of study in the related department. The essay should be typewritten, signed by an assumed name, and accompanied by the real and

the assumed name in a sealed envelope. It must be deposited with the Registrar not later than May 1. If no essay of sufficient merit is presented, the prize will not be awarded.

REGULATIONS AFFECTING STUDENTS

Residence

Men students find comfortable homes in private families within easy reach of the College. Some live in chapter houses, maintained by the fraternities.

Women students, wherever they reside, are under the supervision of the Dean of Women and are expected to conform to the general regulations prescribed for the conduct of those living in the Halls. They are required to room in one of the Halls provided for them, unless special exemption is granted.

Willard Hall, the largest of the three women's dormitories, is under the immediate oversight of the Dean of Women, who lives in the building. For information respecting Willard Hall inquiries should be addressed to Willard Hall, Evanston, Illinois.

Pearsons Hall and Chapin Hall are in charge of an association of women residents in Evanston, incorporated as the Woman's Educational Aid Association. This association considers the claims of applicants for admission and has a friendly supervision over the residents. The lighter housework of Pearsons and Chapin Halls is done by the young women residing in them, under the direction of a competent matron. In this way the expenses of living are materially reduced. For information respecting Pearsons Hall or Chapin Hall, inquiries should be addressed to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston, Illinois.

Registration

Every undergraduate student is required to register in person at the office of the Registrar before entering upon College work.

The registration days are the first Tuesday, Wednesday, and Thursday of each semester. The student not registered at the close of this period is subject to a fee of two dollars for later registration.

On the registration days of the first semester the student must register for the work of the whole year. Changes may be made only with permission from the Committee on Registration.

Before completing his registration, the student is required to consult his Faculty adviser.

No credit is given for work not regularly registered.

Prescribed studies take precedence of elective studies and in the order in which they are prescribed.

Each student is required to register for fifteen hours of work a week, unless permission has been obtained from the Committee on Registration to register for less or more. Two hours of laboratory work are credited as one hour.

Permission to register for more than fifteen hours will not be granted unless the committee is satisfied that the student can carry the whole work creditably. A student engaged in outside work making a serious drain on his time or energy may not register for more than twelve hours.

No student having deficiencies in entrance work amounting to more than five hours a week through one year can be registered as a candidate for a degree; and no student will be credited with College work in the published lists of the catalogue until all entrance deficiencies are made up.

If any entrance conditions are not removed before the beginning of the second year of residence, the work necessary to fulfill the entrance requirements must be included in the regular registration for that year, and the total registration may not exceed sixteen hours. The second year of a foreign language necessary to ensure admission credit for a first year of that language is treated as an entrance condition.

Registration papers must state the full amount of work to be undertaken each semester, whether in the College of Liberal Arts or elsewhere, and must indicate the number of hours devoted to each subject, and the school or department in which it is to be taken.

Students of the College of Liberal Arts desiring to take work in any other School of the University must first obtain consent from the Faculty of the College of Liberal Arts and from the Faculty of the School in which the work is to be taken, and they must file such consent with the Registrar before beginning the work. Failure to comply with this regulation will be deemed sufficient cause for cancellation of the entire registration.

At the time of registration the student obtains from the Registrar his tuition bill for the semester, which must be presented immediately at the Business Manager's Office for payment.

Examinations

Regular Examinations.—These are held at the close of each semester in the studies of that semester. Any student whose daily work has not been satisfactory may be excluded from examination at the option of the instructor.

Second Examinations.—These are set for students who have been absent from a regular examination, or who have failed to receive a passing grade at a regular examination. Second examinations are

held on tht first Wednesday in the first semester, on the first Monday in the second semester, and on the Monday following Easter.

No student may take more than one second examination for the same item of credit, and such second examination must be taken within nine months from the date of the regular examination. Students absent from the regular examinations of the first semester are admitted to the second examinations held in February, only in case of illness or other urgent necessity, and by consent of the instructor in charge.

Additional Examinations.—Students absent from class exercises in excess of the amount allowed are required to take additional examinations on the last Thursday of the first semester and on the last Friday of the second semester. Students absent from a required additional examination are held to take that examination at the next date set, and no credit can be given for the course until this examination is passed.

Special Examinations.—Examinations may not be given at times other than those specified above without permission of the Faculty.

Grades of Scholarship

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and is entered on record. Standing is expressed, according to proficiency, in grades A, B, C, D, E, F.

Grade A denotes superior scholarship; grade B, good scholarship; grade C, fair scholarship; grade D, poor scholarship; grade E, a condition which may be removed by a second examination; grade F, a failure removable only by repetition of the subject in the class. Work of grades A, B, and C is counted toward a degree. Work of grade D may also be counted toward a degree, but not more than one-fifth of the work done under the College Faculty offered to meet the requirements for graduation may be of this grade and no work of this grade may be counted toward a major.

Work reported as of grade E must either be made good at a second examination within nine months, or must be taken again in the class-room if credit is to be obtained.

Work reported incomplete at the end of any semester, and not made good before the close of the next semester, can thereafter be given credit only under the conditions which apply to work reported as of grade E.

Students who do not take the regular examination in any subject at the close of the semester are reported absent, and credit for that subject can only be obtained by passing a Second Examination at a proper time.

Undergraduates are not allowed credit for work done *in absentia.* Only those who have duly registered and have regularly pursued their studies in attendance at class are admitted to examinations.

The semester record of each undergraduate is sent by the Registrar to the student's father or guardian. Failure in any semester to secure grade A, B, or C for at least forty per cent of the work undertaken by him will necessitate a student's withdrawal from College.

Absences from Class Exercises

Students are expected to attend all the regular exercises in the courses for which they are registered.

If, in any semester, a student be absent from a course more than one-eighth of the total number of assigned exercises, he will be required to take, besides the regular examination at the close of the semester, an Additional Examination. The dates fixed for Additional Examinations are the last Thursday of the first semester and the last Friday of the second semester.

When a student's absences in any study exceed one-sixth of the total number of assigned exercises in that study, his registration in that subject is cancelled, and the privilege of examination is denied. This rule is administered by the Committee on Registration, which has power to restore the cancelled registration at its discretion.

The Library

The Library contains 70,184 bound volumes and approximately 47,000 pamphlets. It is open to officers of the University, and to students upon the payment of their regular semester bills, under the following regulations:

1. During the college year the Library is open, except Sunday, from 8 a.m. to 9 p.m. In the summer vacation, except on Saturday afternoon and on Sunday, it is open from 8 a.m. until 12 noon and 1:30 p.m. to 5 p.m. The Library is closed on New Year's Day, the Fourth of July, Thanksgiving Day, and Christmas Day.

2. Officers of the University have direct access to the shelves and are entitled to the first use of books.

3. Students may draw from the Library three volumes at a time, and these may be kept for two weeks unless specially restricted. Graduate students may have six volumes at a time.

4. The book stacks are not open to the students in general or to the public; but cards of admission may be given by the Librarian, on recommendation of an officer of instruction.

5. Reserved books in the reading room and the seminary rooms are withdrawn from circulation at the request of officers of instruction, for the use of their classes. The books reserved in the reading-room

and other books of reference, are placed on open shelves freely and equally accessible to all readers; or, when much in demand, they are kept at the desk, and delivered on application there. These books are on no account to be taken from the reading room, and must be used with due regard to the rights of others.

6. Persons not members of the University are allowed the use of the reading room at the discretion of the Librarian. Persons introduced by an officer of the University may be permitted to take books for a short period on the officer's account, or may be granted the privileges of the Library upon written application endorsed by an officer of the University.

The Gymnasium

Regular classes in the gymnasium are under the supervision of competent instructors and are open to men and women. The student upon entering gymnasium classes undergoes a physical examination, and his health, strength, muscular development, and physical defects are carefully noted. From these data, exercises, based on scientific principles, are prescribed to meet his individual needs, and to give increased health, strength, and symmetry of body. See course in Physical Culture.

Athletics

Athletic exercises and games participated in by students are under the supervision of the Director of Athletics and a Committee of the Faculty. The care and equipment of the athletic field, tennis courts, gymnasium, and the cost of necessary supplies and apparatus for athletic teams are provided for by the University.

Intercollegiate contests are governed by the regulations of the Western Intercollegiate Conference, of which the University is a member.

For a description of Northwestern Field see page 43.

Religious Worship

The charter of the University provides that "no particular religious faith shall be required of those who become students of this institution."

Students of the College of Liberal Arts are expected to attend public worship on Sunday in the church of their choice.

Chapel service is held at noon on each week day, except Saturday, throughout the college year. Attendance upon at least three-fifths of these services is required.

When a student's record of chapel credits is deficient as many credits as he is expected to secure in one-half of a semester, his registration in all studies is cancelled, and it may be restored only on the recommendation of the faculty committee on chapel attendance.

Government

Students are temporary residents of the City of Evanston, and as such are amenable to the laws of the state and to the ordinances of the city. They are also subject to the rules and regulations made by the Faculty and are held to have a knowledge of all Faculty requirements published in the catalogue, or otherwise brought to their attention.

Students may be separated from the institution whenever in the opinion of the Faculty they are pursuing a course of conduct seriously detrimental to themselves or to the University. The University will tolerate neither idleness nor dissolute habits.

Social Entertainments

Permission for a party or social entertainment, at which men and women are to be present, to be held by an organization or group of students, must be obtained beforehand from the Committee on Social Life of Students. The conditions under which the party or entertainment is held are subject to the approval of the committee.

Musical Clubs

Student musical organizations are under the supervision of a standing committee of the Faculty. The chairman of the committee must be informed of the intended organization of any such association, and must be furnished with a statement of its plans, purposes, and membership. Formal organization is not permitted without the knowledge and sanction of the committee. Business managers of such organizations must not make arrangements for public appearances of the clubs without the consent of the committee. Concert dates will not be permitted to interfere with examinations, or to interrupt the routine of study. Students with delinquent standing are not allowed to retain connection with musical organizations.

STUDENT ORGANIZATIONS

Northern Oratorical League.—The oratorial associations of Northwestern University, the University of Michigan, the University of Wisconsin, the University of Iowa, the University of Chicago, the University of Minnesota, and Oberlin College compose the Northern Oratorical League. The purpose of this organization is to promote an interest in public speaking, and to elevate the standard of oratory, by holding annual contests. The contests of the League are open only to undergraduates.

Central Debating League.—The students of the University of Michigan, the University of Chicago, and Northwestern University are

organized into a debating league in which representatives of each university meet annually, in January, representatives of each of the others in public contest. In these contests a single question is debated each year.

The Hinman Literary Society.—This society was organized in 1855, during the first year of the work of the college, and has had a continuous existence. It was named in honor of the first President of the University, the Reverend Clark T. Hinman. It meets on Tuesday evenings throughout the year.

The Adelphic Literary Society.—This society was first organized prior to 1867, and maintained a prosperous existence for over twenty years; it then ceased to be active, but was reorganized in 1897. It meets on Thursday evenings. Two prizes of twenty and fifteen dollars, the gift of Dr. M. C. Bragdon of the class of 1870, are competed for annually by its members.

The Rogers Debating Club.—This society was organized in 1897, and was named in honor of Henry Wade Rogers, then President of the University. It meets on Thursday evenings. Three prizes, the gift of Mr. William Deering, are offered annually for competition among its members.

The Cleosophic Literary Society.—This society for men was organized in 1905. Besides the weekly program of the society, a prize competition in debate is held annually.

Alethenai and Eulexia Literary Societies, for women, were organized in 1903.

Anonian, Calethea, and Laurean Literary Societies, for women, were organized in 1905.

The Aleph Teth Nun Society is an organization of men for the study of political and social problems. It meets weekly and it is frequently addressed by persons prominent in public life.

Christian Associations.—A Young Men's Christian Association and a Young Woman's Christian Association are in active operation in the College, and exert a helpful influence upon the religious life of students. The Men's Association has headquarters at University Hall, and the Woman's Association, at Willard Hall. Each association employs a general secretary and maintains a bureau of self-help for students seeking employment. Under the direction of these organizations, religious meetings are held each week, and study of the Bible is promoted.

For a list of the officers of the Christian Associations of the College of Liberal Arts, see University Societies.

As auxiliaries to the Christian Associations there have been organized two societies—the Student Volunteer Band, composed of young men and women who have volunteered for foreign missionary service,

and a society known as Mem Aleph Nun, whose membership is composed of young men who are preparing for Christian service as ministers or as Association secretaries.

The Woman's League.—The Woman's League is an organization having as its purpose the consideration of matters of interest to college women. It is composed of women students, alumnæ, and other women actively interested in the University.

FEES AND EXPENSES

Matriculation Fee.—Every student on first entering the College of Liberal Arts is required to pay a matriculation fee of five dollars. This fee is paid but once and is not returnable.

Fees for Undergraduates.—At the beginning of each semester undergraduate students are required to pay fees for instruction and incidentals as shown in the following table. Upon payment of his semester bill the student is entitled to all the general privileges of the College. He may take any course for which he is qualified under the regulations affecting registration, but in certain laboratory courses he is required to pay additional fees as shown below.

SCHEDULE OF UNDERGRADUATE FEES FOR EACH SEMESTER

Regular full tuition and incidentals	$50.00
Sons and daughters of ministers	30.00
Students pursuing a single study, i. e., work not exceeding five hours a week	30.00
Sons and daughters of ministers pursuing a single study	22.00
Holders of old-time perpetual or transferable scholarships, for incidentals	22.00

Fees for Graduate Students.—The tuition fees for graduate students, whether resident or non-resident, are determined by the number of hours of instruction taken. The fee for a lecture, or seminary, or laboratory course is five dollars a year for each year-hour of credit; the total amount of tuition fees in any one year shall not exceed forty dollars.

Fees for Students Registered in Two Schools.—A student whose primary registration is in another School of the University, or in Garrett Biblical Institute, pays the fees of that department and may register in the College of Liberal Arts for such courses as may be approved by both faculties concerned without additional fees for tuition. The matriculation fee is paid but once, on the student's first admission to the University, but laboratory and other special fees are chargeable for any courses taken. Students in the Evanston Academy taking courses in College not required for admission, pay regular college fees.

Laboratory Fees.—Students pursuing laboratory courses are charged additional fees. These are to cover the cost of materials consumed and the use of special apparatus. These are not refunded if the student continues in a course as long as two weeks, except that in the Chemical Laboratory the fee is in the nature of a deposit, where an account is kept of the material used, and the unexpended balances, at the end of the year, are returned to the student. In all departments students are chargeable for unnecessary breakages. The laboratory fees for a semester are as follows:

CHEMISTRY

Fees in this department are subject to a refund

Course A	$ 7.50 a semester
Other courses except Course E, each	9.00 a semester
Two courses taken concurrently	15.00 a semester

PHYSICS

Courses A and B, each	2.00 a semester
Course C	3.00 a semester

Zoölogy

Course A	3.00 a semester
Courses B1, B2, B3, C and D, each	2.00 a semester

BOTANY

Each course	2.00 a semester

ENGINEERING

Course A1	1.00 a semester
Courses B1, B2, C1, H2, and J1, each	2.00 a semester
Course A2	3.00 a semester

GEOLOGY

Courses A1, B3, and C3, each	2.00 a semester
Course B4	5.00 a semester

MATHEMATICS

Course B4	2.00 a semester

Graduation Fee.—A fee of ten dollars is charged all persons taking any degree in the College of Liberal Arts. This fee is payable on the first day of May of the year of graduation.

Refunds.—Fees for instruction or incidentals will not be refunded except in case of sickness. If a student withdraws before the middle of the semester, on account of his serious illness, one-half of his tuition fee will be refunded to him, on obtaining from the Dean a statement of honorable standing, and from a physician a certificate that his health will not permit him to remain in attendance.

Bills for fees are made out at the office of the Registrar in University Hall. Payment is made at the office of the Business Manager,

518 Davis Street, Evanston. Checks should be made payable to "Northwestern University," and all payments should be made in currency or in Chicago exchange.

Board and Lodging

Students living in Willard Hall pay for board and room from $225 to $261 a year, according to the desirability of the room. Bills are payable quarterly in advance. All applicants for rooms sign a contract, guaranteed by some responsible person not a College officer, to occupy the assigned room for the full College year or to secure a suitable substitute. A deposit of ten dollars is required at the time a room is assigned. This amount will be refunded at the end of the year or when the depositor has fulfilled her contract, or if the room is surrendered before the first of August five dollars will be refunded.

Bills for room and board are payable strictly in advance, and no deduction is made for absence, except in case of protracted illness.

Pearsons Hall and Chapin Hall are residences for women students of limited means, and applications for admission must be made to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston. In these halls students pay for board and room $125.00 a year, in quarterly installments, at the beginning and at the middle of each semester. They are required to assist in the lighter housework.

Young men obtain board and lodging in private families at reasonable rates. Clubs are formed in which the cost of board is reduced to a minimum.

Estimated Annual Expenditures

	LOW	AVERAGE	LIBERAL
Tuition fees	$100	$100	$100
Laboratory and other fees	5	10	20
Board, 36 weeks	108	144	180
Room, 9 months	45	72	108
Laundry	24	36	45
Text-books and stationery	10	18	35
	$292	$380	$488

Loan Funds

The University receives annually a considerable sum of money to be loaned without interest to worthy students. Loans are made upon the recommendation of the Committee on Loan Funds. Satisfactory scholarship and promise of service are essential to securing such assistance.

Self-Support of Students

The University does not encourage students to enter college if entirely without resources. Especially is it undesirable that young women enter college without funds if wholly dependent on their own efforts. It happens, however, every year that not a few students are able to help themselves very materially by their labor, while carrying on their studies. The Young Men's Christian Association conducts a bureau of self-help which is of great assistance every year in securing work for a large number desiring it. Inquiries sent to the Secretary of that Association receive careful attention.

GROUNDS AND BUILDINGS

The Campus

The University Campus has an area of about seventy-five acres, stretching for three-quarters of a mile along the shore of Lake Michigan. On the Campus are University Hall, Fayerweather Hall of Science, Dearborn Observatory, Fisk Hall, Memorial Hall, Annie May Swift Hall, Orrington Lunt Library, Swift Hall of Engineering, Old College, the old Gymnasium, Hatfield House, Heck Hall, and the new Gymnasium now in process of construction. Music Hall, Willard Hall, Pearsons Hall, and Chapin Hall are situated on Willard Hall Campus, distant from University Hall about three minutes' walk.

A description of the University grounds and buildings may be found on page 41.

The Museum

The Museum of the College of Liberal Arts contains large collections illustrative of anthropology, botany, geology, mineralogy, and zoölogy. These are of rare value in the work of instruction in the natural sciences. The mineralogical collection is in Fayerweather Hall of Science; the other sections are on the fourth floor of University Hall.

The Laboratories

Botany.—The Laboratory is on the third floor of University Hall. Tables, compound and dissecting microscopes, glassware, reagents, and lockers are provided for each student. Microtomes, incubators, and sterilizing apparatus are available for the advanced courses.

Chemistry.—The Laboratory is located in Fayerweather Hall of Science and includes on the main floor: a lecture-room seating sixty; a reading-room, a laboratory for general chemistry and for qualitative analysis, with forty-six tables; a laboratory for quantitative analysis, with twelve tables; a balance-room; the office and private laboratory

of the professors; the assistants' room; in the basement: a general store-room, a room with four tables equipped with special conveniences for water analysis, an office and private laboratory.

Geology.—The Laboratory is in University Hall and consists of five rooms on the fourth floor. In these rooms are: study collections of typical rocks, minerals, and fossils; photographs; geological maps; a large series of topographical maps; topographical and geological models; a geological library; petrographical microscopes; thin sections of rocks and minerals; several outfits for topographical and geological mapping, each consisting of a plane table, alidade, aneroid barometer, hand level, and compass. In addition is an extensive collection, belonging to the Wisconsin Geological and Natural History Survey, including rocks and ores from the copper-bearing rocks of the Lake Superior region and the Upper Mississippi Valley lead and zinc district.

Mineralogy.—The Laboratory is in Fayerweather Hall of Science and contains a collection of several thousand labeled minerals and a collection of unlabeled material for determination by students. The laboratory is furnished with glass and wood models of crystals, reflecting goniometer microscope, electrical slicing and grinding machine, and lantern slides illustrating mining and metallurgy. The assay laboratory is supplied with gas and coal furnaces, tools, balances, and reagents.

Physics.—The Laboratory and Shops are in Fayerweather Hall of Science in rooms excellently adapted to their purpose and equipped with modern instruments, especially well in the departments of acoustics, electricity, and light. The rooms for special purposes include a workshop in the basement; a room for spectroscopy, fitted with a curved grating; a drawing room; rooms for electric and magnetic work; a room for general optics; a photometric-room; a room for testing the strength of materials with a Riehlé testing machine; several small rooms for individual work. In the court is a powerhouse with two engines, two motors, two dynamos, and a large storage battery. These furnish power to the Observatory and Physical Laboratory.

Psychology.—The Laboratory is in Old College and consists of a general laboratory and apparatus room, dark room, research rooms, an office and reading room. The reading room is supplied with the most helpful books and periodicals on experimental psychology. The equipment includes everything necessary for purposes of demonstration in the course in general psychology, for an elementary laboratory course, and for certain typical researches. Additions are made from time to time, as the work demands.

The Zoölogical Laboratory.—This Laboratory is in University Hall. It includes a large general room, a laboratory for vertebrate

zoölogy, a seminary room, and department library, a room for advanced students, and a preparator's room. The equipment consists of forty-seven excellent compound microscopes, microtomes of the most recent make, dissecting microscopes and instruments, incubators, aquaria, glassware, reagents, and other apparatus for elementary and advanced work in Zoölogy. The department is supplied with a full set of Leuckart's zoölogical charts and several sets of Ziegler's wax models.

For further information in regard to the College of Liberal Arts, address the Dean of the College, Evanston, Illinois.

For blank forms of admission and for information in regard to entrance requirements and on all matters of record, address the Registrar of the College of Liberal Arts, Evanston, Illinois.

The Medical School

THE MEDICAL SCHOOL

The School was founded in 1859 as a department of the Lind University, in 1864 it became affiliated with Northwestern University, in 1891 it assumed the name Northwestern University Medical School, and in 1905 it became an integral part of the University. Much of the success of the School is due to the benefactions of William Deering, Dr. Nathan S. Davis, Dr. Ephraim Ingals, and to the wisdom and devotion of Dr. Nathan S. Davis, who served as Dean from 1901 to 1907.

The Medical School has been a pioneer in the advancement of medical education in the United States. It was the first American school to enforce a standard of preliminary education; to adopt longer annual courses of instruction; and to initiate, in 1859, the graded curriculum, in which the studies were assigned in logical order, and in which laboratory departments prepared the way for the practical, clinical branches. The School is open to men only.

The course extends through four years. The first two years are devoted to fundamental studies, anatomy, physiology, chemistry, histology, embryology, pharmacology, pathology, special pathology, bacteriology, and etiology. Instruction is given by lectures, recitations, demonstrations, conferences, and largely by practical work in the laboratories. In the first year, and more particularly in the second courses in physical diagnosis and elementary instruction in medicine and surgery are introduced.

The fundamental branches taught in the first and second years complement the college work required for admission and,—aside from their direct application to the practical clinical years,—constitute a training which in itself is genuinely liberalizing. The third and fourth year work is eminently practical. The affiliated hospitals afford such an enormous number of cases that groups of diseases of different phases and stages can be presented at one time to the student. The large dispensaries exhibit an equally large material, but of an ambulatory type. In the last two years medicine, surgery, and obstetrics are taught, in small sections and in larger clinics, in the dispensary and in the several large adjacent hospitals affiliated with the School.

Upon graduation, more than fifty per cent of the students are appointed, on examination, to hospital interneships, which afford, in one or two years, training equivalent to many years of practice.

THE FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D.....*President*
ARTHUR ROBIN EDWARDS, A.M., M.D.....*Dean*
WINFIELD SCOTT HALL, Ph.D., M.D.....*Junior Dean*
CHARLES LOUIS MIX, A.M., M.D.....*Secretary of the Faculty*

JOHN HAMILCAR HOLLISTER, A.M., M.D..... *Professor Emeritus of Clinical Medicine*
FRANK SEWARD JOHNSON, A.M., M.D.....*Dean Emeritus; Professor Emeritus of Medicine and of Clinical Medicine*
JOHN HARPER LONG, M.S., Sc.D.....*Professor of Chemistry Director of the Chemical Laboratories*
WILLIAM EVANS CASSELBERRY, M.D.....*Professor Emeritus of Laryngology and Rhinology*
EMILIUS CLARK DUDLEY, A.M., M.D.....*Professor of Gynecology*
JOHN EDWIN OWENS, M.D.....*Professor of Surgery and of Clinical Surgery*
NATHAN SMITH DAVIS, A.M., M.D.....*Professor of the Principles and Practice of Medicine and of Clinical Medicine*
EDMUND WYLLYS ANDREWS, A.M., M.D.....*Professor of Surgery and of Clinical Surgery*
FRANK TAYLOR ANDREWS, A.M., M.D..*Clinical Professor of Gynecology*
JOSEPH ZEISLER, M.D.....*Professor of Skin and Venereal Diseases*
WILLIAM EDWARD MORGAN, M.D.....*Clinical Professor of Surgery*
ARCHIBALD CHURCH, M.D...*Professor of Nervous and Mental Diseases*
WINFIELD SCOTT HALL, Ph.D., M.D.....*Nathan Smith Davis Professor of Physiology*
ARTHUR ROBIN EDWARDS, A.M., M.D.....*Professor of the Principles and Practice of Medicine and of Clinical Medicine*
JOSEPH BOLIVAR DE LEE, A.M., M.D.....*Professor of Obstetrics*
JOHN BENJAMIN MURPHY, A.M., M.D., LL.D.....*Professor of the Principles and Practice of Surgery and of Clinical Surgery*
SAMUEL CRAIG PLUMMER, A.M., M.D....*Clinical Professor of Surgery*
ALBERT EDWARD HALSTEAD, M.D.....*Clinical Professor of Surgery*
ROBERT BRUCE PREBLE, A.B., M.D.....*Professor of Medicine*
FRANK XAVIER WALLS, M.D.....*Clinical Professor of Pediatrics*
FREDERICK ROBERT ZEIT, M.D..*Professor of Pathology and Bacteriology*

WILLIAM EDWARD SCHROEDER, M.D.....*Professor of Surgery and of Clinical Surgery*
THOMAS JAMES WATKINS, M.D.....*Clinical Professor of Gynecology*
LESTER EMANUEL FRANKENTHAL, M.D.....*Clinical Professor of Gynecology*
HUGH TALBOT PATRICK, M.D.....*Clinical Professor of Nervous and Mental Diseases*
CHARLES LOUIS MIX, A.M., M.D.....*Professor of Physical Diagnosis and Secretary of the Faculty*
ARTHUR WILLIAM MEYER, A.M., M.D.....*Professor of Anatomy*
ALFRED NEWTON RICHARDS, Ph.D.....*Professor of Pharmacology*
LOUIS ERNST SCHMIDT, M.S., M.D.....*Clinical Professor of Genito-Urinary Surgery*
FREDERICK MENGE, M.D.....*Professor of Laryngology and Rhinology*
WILLIAM AUGUSTUS EVANS, M.S., M.D..*Professor of Sanitary Science*
BROWN PUSEY, M.D.....*Professor of Ophthalmology*
JOHN GORDON WILSON, A.M., M.B., C.M.....*Professor of Otology*
JAMES MITCHELL NEFF, M.D.....*Associate Professor of Surgery*
CHARLES BERT REED, M.D.....*Assistant Professor of Obstetrics*
LUCIUS CROCKER PARDEE, M.D.....*Assistant Professor of Skin and Venereal Diseases*
JULIUS GRINKER, M.D.....*Assistant Clinical Professor of Neurology*
D'ORSAY HECHT, M.D.....*Assistant Professor of Nervous and Mental Diseases and Medical Jurisprudence*
GEORGE PAULL MARQUIS, M.D.....*Assistant Professor of Laryngology and Rhinology*
GEORGE BOYD DYCHE, A.B., M.D.....*Assistant Professor of Medicine*
PAUL CHESTER, B.S., M.D.....*Assistant Professor of Medicine*
CHARLES ADDISON ELLIOTT, B.S., M.D..*Assistant Professor of Medicine*
ACHILLES DAVIS, Ph.B., M.D.....*Assistant Professor of Medicine*
WALTER HERMAN BUHLIG, B.S., M.D.....*Assistant Professor of Clinical Pathology and Librarian*
WINFIELD SCOTT HARPOLE, M.D.*Assistant Professor of Clinical Medicine*
JOSEPH BBENNEMANN, Ph.B., M.D.....*Assistant Clinical Professor of Pediatrics*
ROBERT TRACY GILLMORE, M.D.....*Assistant Clinical Professor of Gynecology*
CHARLES WILLIAM PRENTISS, A.M., Ph.D.....*Assistant Professor of Anatomy*
FREDERICK ATWOOD BESLEY, M.D.....*Assistant Professor of Surgery*
HARRY MORTIMER RICHTER, M.D.....*Assistant Professor of Surgery*
ALLEN BUCKNER KANAVEL, Ph.B., M.D.*Assistant Professor of Surgery*
WILLIAM CUTHBERTSON, M.D.....*Associate in Gynecology*
WALTER STEELE BARNES, M.D.....*Associate in Gynecology*
DAVID FALKNER MONASH, M.D.....*Associate in Obstetrics*

THOMAS HENRY LEWIS, M.D.....*Associate in Gynecology*
HENRY WILLIAM CHENEY, M.D.....*Associate in Pediatrics*
STEPHEN WALTER RANSON, Ph.D., M.D.....*Associate in Anatomy*
WILLIAM ROBERT CUBBINS, B.S., M.D.....*Associate in Surgery*
FRANK ELLIS PIERCE, M.D.....*Associate in Surgery*
HERBERT MARION STOWE, M.D.....*Associate in Obstetrics*
JOHN GAILY CAMPBELL, A.M., M.D....*Instructor in Clinical Pediatrics*
WILLIAM CLARK DANFORTH, M.D.....*Instructor in Surgery*
FREDERICK CHARLES EGGERT, M.D.....*Instructor in Operative Surgery*
EDSON BRADY FOWLER, A.B., M.D.....*Instructor in Clinical Medicine*
FRANK GEPHART, B.S.....*Instructor in Chemistry*
ALEXANDER AARON GOLDSMITH, M.D.....*Instructor in Medicine*
JOHN CHAMBERLIN HOLLISTER, A.B., M.D.....*Instructor in Surgery*
CHARLES MAYOR JACOBS, M.D.....*Instructor in Clinical Orthopedic Surgery*
THOR JÄGER JÄGER, M.D.....*Instructor in Pathology*
WILLIAM A. JOHNSON, Ph.C.....*Instructor in Chemistry*
GEORGE THOMAS JORDAN, M.D.....*Instructor in Ophthalmology*
ARTHUR CHARLES KLEUTGEN, M.D.....*Instructor in Preliminary Medicine*
ROBERT AGEDIUS KROST, M.D.....*Instructor in Pediatrics*
CHARLES J. KURTZ, A.M., M.D.....*Instructor in Haematology*
EDGAR NELSON LAYTON, A.M., M.D...*Instructor in Clinical Neurology*
VICTOR DARWIN LESPINASSE, M.D.....*Instructor in Genito-Urinary Surgery*
MILTON MANDEL, M.D.....*Instructor in Medicine*
CHARLES MARTIN MATTER, M.D.....*Instructor in Surgery*
LUTHER JAMES OSGOOD, M.D.....*Instructor in Medicine*
ISAAC DONALDSON RAWLINGS, M.S., M.D.....*Instructor in Contagious Diseases at the Isolation Hospital*
HENRY EDWARD SAUER, B.S., M.D.....*Instructor in Gynecology*
CHARLES JOSEPH SCHOENFELD, M.D.....*Instructor in Pediatrics*
GEORGE CURTICE SHOCKEY, M.D.....*Instructor in Clinical Neurology*
FRANK EDWARD SIMPSON, M.D.....*Instructor in Dermatology*
HENRY BASCON THOMAS, M.D.....*Instructor in Clinical Orthopedic Surgery*
RICHARD JOSEPH TIVNEN, M.D.....*Instructor in Ophthalmology*
NEWTON EDWARD WAYSON, A.B.....*Instructor in Bacteriology*
FRED WERNER, M.D.....*Instructor in Operative Obstetrics*
FRANK WRIGHT, Ph.C., M.D.....*Instructor in Chemistry*
ANTHONY BIANKINI, M.D.....*Assistant in Clinical Surgery*
ROBERT ALFRED BLACK, M.D.....*Assistant in Clinical Surgery*
WILLIAM SHERMAN BRACKEN, M.D.....*Assistant in Clinical Laryngology and Rhinology*
WILLIAM ELMER BRENNEMANN, M.D...*Assistant in Clinical Neurology*

GEORGE BASSETT BUTT, M.D.....*Assistant in Clinical Medicine*
EDWARD PERKINS CARLTON, B.S., M.D.....*Assistant in Clinical Ophthalmology*
GEORGE JAMES DENNIS, M.D.....*Assistant in Clinical Laryngology and Rhinology*
CHARLES AUGUST ERICSON, Ph.G., M.D...*Assistant in Clinical Medicine*
CHARLES MARVIN FOX, M.D.....*Assistant in Clinical Surgery*
FRANK DOIG FRANCIS, M.D.....*Assistant in Clinical Medicine*
WILLIAM HERBERT GALLAND, M.D.....*Assistant in Clinical Medicine*
JOHN FERDINAND GOLDEN, M.D.....*Assistant in Clinical Surgery*
GUY AUBRIE GOWEN, M.D.....*Assistant in Clinical Surgery*
ALFRED FREDERICK JACOBSON, M.D....*Assistant in Clinical Dermatology*
JOHN EDWARD KELLEY, M.D.....*Assistant in Clinical Surgery*
SIDNEY KLEIN, M.S., M.D.....*Assistant in Clinical Medicine*
WILLIAM HENRY LAMBORN, M.D.....*Assistant in Clinical Medicine*
JOHN MATHEW LILLY, A.B., M.D. .....*Assistant in Clinical Medicine*
OTIS HARDY MACLAY, B.S., M.D.....*Assistant in Clinical Laryngology and Rhinology*
WILLIAM STEWART MCDOWELL, M.D.....*Assistant in Clinical Genito-Urinary Surgery*
ALBERT EARL MOWRY, M.D.....*Assistant in Clinical Genito-Urinary Surgery*
EDWARD POWERS NORCROSS, M.D.....*Assistant in Clinical Laryngology and Rhinology*
RUPERT MERRILL PARKER, B.S., M.D.....*Assistant in Clinical Surgery*
OTTO STEVE PAVLIK, Ph.G., M.D.....*Assistant in Clinical Gynecology*
ALBERT PECH, M.D.....*Assistant in Clinical Medicine*
LOUIS JACOB PRITZKER, M.D.....*Assistant in Clinical Gynecology*
ARTHUR BENNETT RANKIN, M.D.....*Assistant in Clinical Orthopedic Surgery*
ERNEST RAY REYNOLDS, M.D.....*Assistant in Clinical Dermatology and Syphilology*
ERNEST CHARLES RIEBEL, M.D.....*Assistant in Clinical Surgery*
JAMES GEORGE ROSS, M.D..*Assistant in Clinical Genito-Urinary Surgery*
VICTOR SCHRAGER, M.D.....*Assistant in Clinical Medicine*
KELLOGG SPEED, M.D.....*Assistant in Clinical Surgery*
BROWN FRED SWIFT, B.S., M.D.....*Assistant in Clinical Genito-Urinary Surgery*
HUGH JAMES WHITE, M.D.....*Assistant in Clinical Medicine*
ALFRED JOY WILLETTS, M.D.....*Assistant in Clinical Medicine*
CHARLES BENJAMIN YOUNGER, M.D.....*Assistant in Clinical Laryngology and Rhinology*
ALBERT BERNARD YUDELSON, M.D.....*Assistant in Clinical Neurology*

Frederick Otto Bowe, M.D.....*Demonstrator of Operative Obstetrics*
Norman Dixon Curry, B.S., M.D.....*Demonstrator in Operative Surgery*
David Sweeney Hillis, M.D....*Demonstrator of Operative Obstetrics*
Albert Triplett Horn, M.D.....*Assistant in Anatomy*
Herbert Anthony Potts, D.D.S., M.D.....*Demonstrator in Operative Surgery*
Fred Wilbur Thyng, A.M., Ph.D.....*Assistant in Anatomy*
William Crowell Van Benschoten, M.D.....*Demonstrator in Operative Surgery*
Harold Diefenderfer, A.M., M.D.....*Demonstrator in Anatomy*
Harold Kenneth Gibson, M.D.....*Demonstrator in Anatomy*
Hugh James White, M.D.....*Demonstrator in Anatomy*

Joseph Emil Huber, Ph.G.....*Student Assistant in Chemistry*
Ney Milton Salter, B.S.....*Student Assistant in Physiology*
William Leander McClure.....*Student Assistant in Physiology*
Ruel Norman Dunnington.....*Student Assistant in Physiology*
Frederick Harvey Bly, A.B.....*Student Assistant in Physiology*
Herman Niels Bundesen.....*Student Assistant in Anatomy*
Nathaniel Graham Alcock, A.M.....*Student Assistant in Anatomy*
Herman Hendrickson.....*Student Assistant in Anatomy*
Martin Rist Chase, B.S., A.M.....*Student Assistant in Anatomy*
Leonard Case Scott, Ph.D.....*Student Assistant in Pharmacology*
James Casey, Ph.G., M.D.....*Registrar*

Advisory Council

Professors Long, Dudley, E. W. Andrews, Church, Edwards, DeLee, and Mix

REQUIREMENTS FOR ADMISSION

Candidates for admission to the Medical School must present a certificate of moral character signed by two physicians of good standing in the state in which the applicant last resided.

Graduates of recognized colleges will be admitted without examination upon the presentation of their diplomas.

Graduates of high schools, academies, state normal schools, and similar institutions, approved by the State Board of Health, and candidates holding certificates from the State Superintendent of Public Instruction or one of his deputies to the fact that they have the equivalent education, who present credit for one year of college work in chemistry, biology, physics, and modern language, will be admitted without examination.

Students conditioned in entrance requirements cannot register as students in the second year course until they have made up all conditions. Special students, not candidates for a degree, will be admitted at the discretion of the faculty.

Examinations in college subjects required in addition to high school work are held at the School on Monday next preceding the first Tuesday in October. By special arrangement examinations may also be held at St. Paul, Minnesota; Denver, Colorado; Omaha, Nebraska; St. Louis, Missouri; Cincinnati, Ohio; Detroit, Michigan; Portland, Oregon; and San Francisco, California. For such examinations application must be made to the Secretary of the Medical School prior to June 1.

Admission to Advanced Standing

Applicants for advance standing must present satisfactory records for work on which credit is asked, or they must pass examinations. Certificates from other reputable medical schools covering the number of hours in class and laboratory work given in this School are accepted, when properly signed by the Dean or Secretary of the school from which the candidate comes.

Undergraduate students from other medical colleges will not be admitted to the fourth year class. Graduates in medicine will be admitted to the fourth year class only upon special action by the Faculty.

Students from other medical schools who have pursued the follow-

ing first-year medical courses may be admitted to advanced standing in the subjects covered by their official credentials if found satisfactory:

ANATOMY.—Recitations, 64 hours, and laboratory work, 320 hours, covering osteology, and dissection of four parts of the human body, arm, leg, thorax and abdomen, head and neck.

PHYSIOLOGY.—Recitations, 96 hours, and laboratory work, 96 hours, covering general physiology of cells and tissues, and the special physiology of the circulatory and respiratory systems, including normal hæmatology.

CHEMISTRY.—Lectures and demonstrations, 96 hours, and laboratory work, 196 hours, covering general chemistry and qualitative analysis, with organic chemistry.

HISTOLOGY AND EMBRYOLOGY.—Recitations, 48 hours, and laboratory work, 192 hours, covering the miscroscopical anatomy of human tissues and organs and the development of vertebrate embryos.

Preparation for the Study of Medicine

Students contemplating the study of medicine are urged to take at least two years of work in a college of arts or science before entering the Medical School. The following should be among the studies pursued in this preliminary training: *Modern Languages;* German or French, two years. *Chemistry;* general, organic, inorganic, qualitative analysis. *Physics;* mechanics, hydraulics, sound, light, electricity. *Biology;* biology of plants, general biology, comparative anatomy, physiology of vertebrates, histology and embryology.

Combined Courses

Students in the Medical School holding a bachelor's degree in Arts or Science from an institution of accepted grade may receive from Northwestern University a master's degree upon graduation in medicine, by complying with the requirements stated on page 118 of this catalogue.

The University offers combined courses of study in the College of Liberal Arts and the Medical School which enable a student to obtain the collegiate and the medical degree with economy of time. A description of such combined courses will be found on page 118.

Outline of Instruction

The first and second years are largely occupied by subjects introductory to practical medicine.

The subjects of the first year may be studied at the Medical School,

or in the laboratory of the College of Liberal Arts at Evanston, with the exception of anatomy and surgery. These studies may be completed during the summer term of the Medical School. The work in anatomy may be taken during the year in the laboratories of the Dental School.

The studies of the first and second years lead up in logical sequence to the practical courses of the third and fourth years. The student approaches the practical subjects of the third year after completing in the first and second years subjects preparatory to practical medicine and physical diagnosis and preliminary surgery and medicine. The principles of medicine, surgery, and obstetrics are studied in recitations, in sections in the dispensary, and in larger clinics. The courses in special pathology and clinical pathology closely follow the clinical work and are accompanied by clinics and recitations on nervous diseases, gynecology, eye and ear, nose and throat, orthopedic surgery, and diseases of children.

In the fourth year the instruction is, as far as possible, case-teaching, and is entirely clinical.

Throughout the course classes, whenever possible, are limited in size, a matter of great advantage to the student, giving him the advantage of personal instruction. The sections are sufficiently small to give each student an opportunity to take for himself, under the personal supervision of his teacher, every step in the technique of laboratory and clinical courses.

Clinical Courses

Clinical instruction occupies a part of the second year and most of the last two years. Clinical material is furnished by the South Side Dispensary, Wesley Hospital, Mercy Hospital, St. Luke's Hospital, Provident Hospital, The People's Hospital, The Cook County Hospital, and the Chicago Lying-in Dispensary, and is very abundant. Some of the hospital and college clinics are attended by the entire class, but the greater number of clinics are given to small sections of twelve to sixteen students in order to allow individual instruction in physical examination, diagnosis, and treatment. A most important feature of the clinical instruction is the bedside hospital clinic, which affords a small group of students accompanying the teacher through the wards, an opportunity to study the details of symptoms, diagnosis, and treatment, and to follow the cases throughout the progress of disease. The bedside clinical instruction is arranged to give each student at least two periods a week. The hospital beds to which the students have access number in the aggregate over seven hundred. The course in clinical obstetrics at the Chicago Lying-in Dispensary is obligatory.

DEPARTMENTS OF INSTRUCTION

The Medical School was the first in the country to establish graded courses. In the present courses the student progresses from the fundamental to the clinical subjects. The advantage of such gradation can only be secured by attending the school for at least eight months consecutively each year, and by beginning with the fundamental subjects in the first semester of each year. Deviation from the regular schedule of work is not allowed without the consent of the Faculty.

Schedule of Courses

In the following general arrangement of the course, letters refer to the courses presented under the main headings in alphabetical order.

Subjects	First Year	Second Year	Third Year	Fourth Year
Anatomy	a,c,d,e,i	b,f,g,h,i,j,k		
Chemistry	a,b,c	d,e,f,g,h	g	
Gynecology			a	b,c,d,e,f
Medicine			d,e,f,g,h,i	j,k,l,m,n
Physical Diagnosis		a,b,c		
Dermatology and Syphilology				a,b,c
Laryngology and Rhinology			a,b,c,d	
Mental Diseases				b,c,d
Medical Jurisprudence			a	
Neurology				b,c,d,e,f,g
Ophthalmology			a	b
Otology			a	b
Pediatrics			a,b,c,d,e	f
Obstetrics			a	b,c,d
Pathology and Bacteriology		a,b,c,d,e,f,g,h	m,n,o	
Pharmacology		a,b,c,d	e	e
Physiology	a,b,c,d	e,f,g,h	[h,i,j,k,l]	[s,t,u,v]
Surgery	a,a		a,b,c,d,e,f,g	m,n,o,p,q,r
Orthopedic Surgery			a,b,c,d	

Anatomy

PROFESSOR MEYER, PROFESSOR PRENTISS, DR. RANSON, DR. THYNG, DR. HORN, DR. WHITE, DR. GIBSON, DR. DIEFENDERFER, MR. HENDRICKSON, MR. ALCOCK, MR. CHASE.

The equipment in the department of anatomy has been materially changed and enlarged during the last year. The changes in the dissecting rooms have been made with a view to making the daily work of the student as agreeable as possible. To this end three large, well-ventilated dissecting rooms have been equipped with specially designed adjustable stools and with tables securing perfect drainage. Besides these rooms there are four small rooms for special dissections by students or graduates and an additional larger room for work in topographical anatomy. An excellent refrigerating plant and an abundance of anatomical material make it possible to provide each student with full opportunity to repeat his dissections if he chooses to do so.

Rooms for research have also been equipped and important additions have been made to the equipment in osteology, histology and embryology.

a. DISSECTIONS OF THE UPPER EXTREMITY; LOWER EXTREMITY AND ABDOMEN; HEAD, NECK AND THORAX.—Four four-hour periods throughout the first year. PROFESSOR MEYER, DR. RANSON, and assistants.

b. SAME AS COURSE a.—Four three-hour periods during the first semester of the second year.

c. OSTEOLOGY.—Lectures, recitations, and laboratory work. Two hours a week, per section. One and one-half semesters. DR. HORN.

d. MICROSCOPICAL ANATOMY.—Four three-hour laboratory periods and two lectures a week for one and one-half semesters. PROFESSOR PRENTISS, DR. THYNG, and assistants.

e. HUMAN EMBRYOLOGY.—A course of lectures, recitations, and laboratory work endeavoring to acquaint the student with the essentials of embryology. Four three-hour laboratory periods and two lectures or recitations a week for one-half of one semester. PROFESSOR PRENTISS, DR. THYNG, and assistants.

f. GROSS AND MICROSCOPICAL ANATOMY OF THE HUMAN CENTRAL NERVOUS SYSTEM.—A course of lectures, recitations, and laboratory work of four three-hour periods a week during the second semester. Open to all students who have finished their dissections. PROFESSOR PRENTISS, DR. RANSON, DR. THYNG, and assistants.

g. TOPOGRAPHICAL ANATOMY.—One hour a week during the second semester. Open to students who have credit for Course a. PROFESSOR MEYER.

h. ADVANCED WORK IN NEUROLOGY.—Special arrangement, 1909-

1910. Localization of nuclei of cranial nerves, and nerve tracts by experimental and pathological methods. Dr. Ranson.

i. Lectures in Gross Anatomy.—These lectures will be concerned with general considerations regarding the various systems, and discussions of obscure relations and recent contributions to anatomy. As announced from time to time. Professor Meyer.

j. The Lymphatic Systems.—To be given in 1909-1910. A comprehensive review of the human lymphatic system, including the tonsils, adenoids, and hemolymph glands, by means of lectures, recitations, and demonstrations on specially prepared dissections and injections supplemented by a consideration of the lymphatic systems of lower vertebrates and incorporating the results of recent research. Professor Meyer.

k. The Genito-Urinary Organs.—To be given in 1909-1910. The scope of this course will be similar to Course j, but students will be expected to do actual laboratory work on sections, made in various places, of cadavers, of fetuses, infants, adolescents, and adults. The aim will be to consider these organs in their broadest relations as well as in their similar anatomical details. Professor Meyer and Dr. Gibson.

l. Special problems in anatomy can be made the subject of research by personal arrangement.

Chemistry

Professor Long, Mr. Johnson, Mr. Gephart, Dr. Wright, and Assistants.

The work in chemistry extends through the first and second years, and is required of all students.

First Year

a. Organic Chemistry.—Lectures and demonstrations. Three times a week. One semester. Professor Long.

b. Organic Chemistry.—Laboratory course and experiments. Three times a week. One-half of a semester. Professor Long and Mr. Johnson.

c. Volumetric Analysis.—Laboratory course. Three times a week. One-half of a semester. Professor Long, Mr. Johnson, and assistants.

Second Year

d. Physiological Chemistry.—Lectures and demonstrations. Three times a week, first semester. Professor Long.

e. Physiological Chemistry.—A laboratory course. Twice a week. One semester. Professor Long and Mr. Johnson.

f. Urine Analysis.—A laboratory course. Twice a week. One semester.

g. Laboratory Courses.—Opportunity is given to second and third year students to carry on investigations in special lines of Physiological Chemistry, and to become familiar with the application of the spectroscope, polariscope, and other instruments, as aids in original study. The more advanced work for the coming year will be in the direction of investigation on new methods of urine and feces analysis.

h. Quiz Course.—A course on the most important topics covered in the Lecture Course d. Once a week. One semester. Dr. Wright.

College of Liberal Arts

The satisfactory completion of the following courses in the College of Liberal Arts are accepted for Courses a, b, d, e, f, of the Medical School.

A. General Chemistry.—Four hours a week throughout the year. See page 81. Professor Young.

B. Qualitative Analysis and Organic Chemistry.—Four hours a week throughout the year. See page 81. Professor Hines.

C. Volumetric Analysis.—Four hours a week, second semester. See page 81. Professor Hines.

The satisfactory completion of these courses in College will give the student credit for courses a, b, d, e, and f, in the Medical School.

Gynecology

Professor Dudley, Professor Frank T. Andrews, Professor Watkins, Professor Frankenthal, Professor Gillmore, Dr. Barnes, Dr. Cuthbertson, Dr. Sauer, Dr. Lewis, Dr. Pavlik, Dr. Pritzker.

Instruction in this department comprises recitations, dispensary clinics, conferences, and surgical clinics. The clinics are given in Wesley Hospital, Mercy Hospital, St. Luke's Hospital, and to divided classes in the Dispensary. All students are required to make themselves proficient in general gynecological diagnosis and treatment, and with this object in view, are brought into close personal relation with a large number and variety of cases in the Dispensary. Three operative clinics a week, on the average, are given in hospitals in the immediate vicinity of the College. These clinics afford the student abundant opportunity to familiarize himself with all the major and minor

operations of gynecology. Not only a theoretical, but a practical knowledge of gynecology is a prerequisite for graduation.

Third Year

a. Operative Clinics and Lectures at St. Luke's Hospital.—One two-hour period a week. October to April, Professor Dudley; April to July, Professor Frankenthal; July to October, Dr. Cuthbertson.

Fourth Year

b. General Gynecology.—Recitations. Twice a week, from October to April. Professor Gillmore, Dr. Sauer, Dr. Barnes, and Dr. Lewis.

c. Operative Clinics and Lectures at Wesley Hospital.—One two-hour period a week throughout the year. Professor Watkins.

d. Operative Clinics and Lectures at Mercy Hospital.—Once a week throughout the year. Professor Frank T. Andrews.

e. Dispensary Clinics.—Daily to divided classes. Every fourth year student is required to attend for four weeks. Professor Gillmore, Dr. Sauer, Dr. Barnes, Dr. Pavlik, and Dr. Pritzker.

e,e. Summer Course.—Equivalent to Course e.

f. Gynecological Clinics to Sections of the Senior Class.—Once a week. Wesley Hospital. Professor Watkins.

Medicine

Proefssor Edwards, Professor Davis, Professor Preble, Professor Walls, Professor Mix, Professor Dyche, Professor Chester, Professor Achilles Davis, Professor Elliott, Professor Buhlig, Professor Harpole, Dr. Osgood, Dr. Goldsmith, Dr. Butt, Dr. Mandel, Dr. Fowler, Dr. Lamborn, Dr. Kleutgen, Dr. Willets, Dr. Pech, Dr. Galland, and Dr. White.

The course in physical diagnosis in the second year lays a broad foundation for the medical courses which are to follow. A thorough course is given in the technique of physical diagnosis, beginning with laboratory work upon the normal subject and illustrated by typical cases from the clinics.

An important feature of the medical instruction in the third year is the work in the medical department of the South Side and Mercy Hospital Dispensaries. Small sections of eight or ten students are assigned to a service of four weeks each, during which each student receives personal instruction in the application of his work of previous years in physical diagnosis, in the methods of differential diagnosis, in symptomatology, in therapeutics, and in prescription writing. The

course in clinical pathology is so conducted that the laboratory findings and the clinical side of the cases are closely associated in the mind of the student. The personal contact with patients and individual opportunity to put into practice the didactic and clinical instruction of the various departments have always been a leading feature of instruction in this department.

During the third year classes are taught from hospital and dispensary cases and, divided into small sections, they are subjected to quizzes covering the most important diseases. A knowledge of drugs and their action being essential before prescriptions for the sick are attempted, their study is begun before clinical teaching is taken up. For the same reason general pathology and special pathology are taken in the second year. The fourth year is almost entirely devoted to clinical work, after the student is conversant with the subjects tributary to medicine. The student attends the larger clinics and ward-walks, in which he comes into intimate contact with the patients.

Second Year

a. Physical Examinations of the Normal Body.—Laboratory work. Eight periods. Second semester. Pathological conditions, illustrated by clinical cases. Dr. Kleutgen, Dr. Lamborn, Dr. Osgood, and Dr. Klein.

a,a. Summer Course.—Equivalent to Course a. Dr. Kleutgen.

b. Theory and Practice of Physical Diagnosis.—Lectures twice a week. Professor Mix.

c. Physical Diagnosis Clinic.—Cases chosen from the Dispensary Clinics are brought before the class and are presented with especial reference to diagnosis. Each student is expected to keep a record of such cases, to group and co-ordinate all cases of the same class, and to present his notes with a thesis on one group of cases. Once a week. Professor Mix.

Third Year

d. Recitations from Text-Books.—Three hours a week. Professor Dyche, Professor Achilles Davis, Professor Elliott, Professor Chester, Dr. Goldsmith, and Dr. Osgood.

e. Clinics.—Clinics to the same sections supplementary to the recitation work; one two-hour period a week throughout the year by Professor Dyche, Professor Achilles Davis, Professor Elliott, Professor Harpole, Professor Chester, Dr. Goldsmith, and Dr. Osgood. These clinics also cover therapeutics.

f. Dispensary Clinic to Small Classes.—Four weeks. Professor Chester, Professor Achilles Davis, Dr. Fowler, Dr. Butt, Dr. Kleutgen, Dr. Willets, Dr. Pech, and Dr. Mandel.

f,f. Summer Course.—Equivalent to Course f.

g. Clinical Lectures at St. Luke's Hospital.—Once a week. Professor Preble.

h. Laboratory Diagnostic Methods.—Laboratory work given in conjunction with the medical department of the dispensary. The class is divided into eight sections of twelve to fifteen students. Each section attends four hours daily for one-fourth of a semester. Professor Buhlig.

i. Summer Course.—Laboratory work. Daily. Equivalent to Course h. Professor Buhlig.

Fourth Year

j. Lectures.—One hour a week. Mercy Hospital. Professor Edwards.

k. Lectures.—One hour a week. College. Professor Preble.

l. Clinical Lectures at Mercy Hospital.—Two two-hour periods throughout the year. Professor Edwards.

m. Clinical Lectures.—Wesley Hospital. One two-hour period throughout the year. Professor Preble.

n. Weekly Visits to the Hospital Wards.—Visits at Wesley and Mercy Hospitals under the guidance of Professor Edwards, Professor Walls, Professor Preble, Professor Dyche, Professor Chester, Professor Elliott, Professor Achilles Davis, Dr. Goldsmith, Dr. Osgood, and Dr. Mandel.

n,n. Summer Course.—Equivalent to Course n.

Sub-Department of Dermatology and Syphilology

Professor Zeisler, Assistant Professor Pardee, Dr. Simpson, Dr. Reynolds, and Dr. Jacobson

The very abundant clinical material gives the students in the dispensary an opportunity to examine each case personally. The most instructive cases are reserved for the general weekly clinic, where they are demonstrated and discussed exhaustively. Special attention is paid to differential diagnosis, histopathology, and the treatment of dermatoses most frequently encountered by the general practitioner.

Fourth Year

a. Dispensary Clinic.—Daily for four weeks. Professor Pardee and Dr. Simpson.

a,a. Summer Course.—Equivalent to Course a.

b. Clinical Lectures.—One period a week throughout the year. Professor Zeisler.

c. Lectures.—One a week. Second semester. Professor Zeisler.

Sub-Department of Laryngology and Rhinology

PROFESSOR MENGE AND PROFESSOR MARQUIS

The department is equipped with stalls furnished with electric lights, for the individual training of students in the technique of the examination and treatment of the throat and nose. The methods of the best foreign clinics are followed with advantages not usually available to students, except in post-graduate schools. A dark room is provided for translumination tests, and a clinical amphitheater capable of being darkened to allow operating by reflected artificial light. Each student is provided with a set of examining instruments.

a. LARYNGOLOGY AND RHINOLOGY.—Lecture one hour a week. First semester. PROFESSOR MENGE.

b. CLINICAL LECTURES.—At the College or Wesley Hospital. Throughout the year, once a week. PROFESSOR MENGE and PROFESSOR MARQUIS.

c. CLINIC.—At Wesley Hospital. Once a week. PROFESSOR MENGE.

d. DISPENSARY CLINICS.—Individual instruction in technique. Six periods a week for four weeks. PROFESSOR MENGE and PROFESSOR MARQUIS, assisted by DR. DENNIS, DR. YOUNGER, DR. BRACKEN, DR. MACLAY, and DR. NORCROSS.

d,d. CLINIC.—Summer course, equivalent to Course c.

Sub-Department of Ophthalmology

PROFESSOR PUSEY, DR. TIVNEN, DR. JORDAN, AND DR. CARLTON

In the Department of Ophthalmology an effort is made to give to the student the essentials of the subject. For teaching purposes there is complete equipment. The department has its own laboratory and abundant clinical material. Small sections of the class are assigned to this department for a given period and during this time the subject is considered systematically in a series of talks, and cases showing the various diseased eye conditions are studied. The subject of refraction is considered in a general way.

Third Year

a. DISPENSARY CLINIC.—Six periods a week for four weeks. PROFESSOR PUSEY, DR. TIVNEN, DR. JORDAN, and DR. CARLTON.

Fourth Year

b. CLINIC AT MERCY HOSPITAL.—To sections of the fourth year class. Twice a week. DR. TIVNEN.

Sub-Department of Otology

PROFESSOR WILSON

Instruction in Otology is entirely clinical. The students are assigned in small sections to the ear department for a period of one month, in which time he observes the leading diseases of the ear.

Third Year

a. DISPENSARY CLINIC.—Six periods a week for four weeks. PROFESSOR WILSON.

Fourth Year

b. CLINIC AT MERCY HOSPITAL.—To sections of the fourth year class. Twice a week. DR. TIVNEN.

Sub-Department of Neurology, Clinical Neurology, Mental Diseases, and Medical Jurisprudence

PROFESSOR CHURCH, PROFESSOR PATRICK, PROFESSOR GRINKER, PROFESSOR HECHT, DR. LAYTON, DR. SHOCKEY, DR. BRENNEMANN, AND DR. YUDELSON

Third Year

a. NEUROLOGY.—Recitation course. One hour a week. Both semesters. PROFESSOR HECHT.

Fourth Year

b. DISEASES OF THE NERVOUS SYSTEM.—One lecture a week. One semester. PROFESSOR CHURCH.

c. CLINICAL LECTURE.—Once a week. First semester. PROFESSOR PATRICK.

d. CLINICAL LECTURE.—Special reference to hospital cases. Once a week. Second semester. PROFESSOR CHURCH.

e. MEDICAL JURISPRUDENCE.—One lecture a week. One semester. PROFESSOR HECHT.

f. DISPENSARY CLINICS.—Six periods a week for four weeks. PROFESSOR PATRICK, PROFESSOR GRINKER, PROFESSOR HECHT, DR. SHOCKEY, DR. LAYTON, DR. W. E. BRENNEMANN, and DR. YUDELSON.

f,f. SUMMER COURSE.—Equivalent to Course f.

g. WARD VISITS.—A weekly ward visit to Wesley Hospital. PROFESSOR GRINKER and PROFESSOR HECHT.

Sub-Department of Pediatrics

PROFESSOR WALLS, PROFESSOR BRENNEMANN, DR. CAMPBELL, DR. CHENEY, DR. KROST, AND DR. SCHOENFELD

It is the plan of this department to make its instruction chiefly clinical and personal.

Third Year

a. Didactic Lecture.—One period a week. One semester. Professor Walls and Professor Brennemann.

b. Recitations.—One period a week. One semester. Professor Walls, Professor Brennemann, Dr. Campbell, Dr. Cheney, Dr. Krost, and Dr. Schoenfeld.

c. Dispensary.—Children's Clinic.—Six periods a week for four weeks. Professor Walls, Professor Brennemann, Dr. Campbell, Dr. Cheney, Dr. Krost, and Dr. Schoenfeld.

c,c. Summer Course.—Equivalent to Course c.

d. Clinical Lecture.—One period a week. Professor Walls. The most interesting of the patients attending the dispensary clinics are reserved for the weekly college clinic. This course is required of third year students and is open to all fourth year students.

e. Diet Kitchen.—Examination and preparation of infant foods. Professor Walls.

Fourth Year

f. Ward-Walk.—One period a week. Professor Brennemann.

Obstetrics

Professor DeLee, Professor Reed, Dr. Monash, Dr. Stowe, Dr. Werner, Dr. Hillis, and Dr. Bowe

The teaching in this department is clinical, didactic, by demonstrations, by individual exercises on the manikin, and by recitations and conferences in large and small classes. Obstetric cases in Mercy, Provident, and Wesley Hospitals are used for teaching. All fourth year students attend in residence the Chicago Lying-in Hospital and Dispensary. Each student sees and conducts personally six to ten labors in the homes of patients, or in the hospitals under the guidance of the assistant physicians. The pathological material is abundant. Members of the teaching staff will give optional courses on special obstetric subjects at the request of small groups of students. The Obstetric Laboratory is at the service of students desiring to do special work.

Third Year

a. The Physiology of Pregnancy, Labor, and the Puerperium. Throughout the year. Two recitations a week. Professor Reed and Dr. Monash.

Fourth Year

b. The Pathology of Pregnancy, Labor, and the Puerperium. Throughout the year. Two lecture recitations a week. Professor DeLee.

c. Individuaul Practice on the Manikin.—Sixteen exercises for each group of six students. Dr. Stowe, Dr. Werner, Dr. Hillis, and Dr. Bowe.

d. Demonstrations.—Students of the third and fourth years attend obstetric demonstrations and labors conducted by Professor DeLee and Professor Reed in the amphitheater of Wesley Hospital. Attendance on six labors is necessary for graduation.

Pathology and Bacteriology

Professor Zeit, Dr. Jäger, and Mr. Wayson

The laboratories of Pathology and Bacteriology and the pathological museum occupy the second floor of the main college building. The museum contains a complete and excellent collection of pathological specimens, preserved in natural colors, for instruction and practical exercises in pathological anatomy. The public autopsies held in the large amphitheater and the fresh material obtained from private and outside post-mortems, many of which are attended by small sections of the class, furnish abundant opportunity for the study of morbid anatomy and histopathology. The laboratories of Histopathology and Bacteriology are well equipped for general class work and individual research.

The department is supplied with a valuable reference library.

Second Year

a. Bacteriology, Etiology of Infectious Diseases and Immunity.—Lectures and demonstrations. First semester. Three hours a week. Professor Zeit.

b. Bacteriology Laboratory Work.—The class is divided into sections. First semester. Three laboratory periods each week. Professor Zeit and Mr. Wayson.

c. Bacteriology Recitation Course.—First semester. The class is divided into sections. Mr. Wayson.

d. General Pathology and Histopathology, Laboratory Work. The class is divided into sections. Three laboratory periods each week. Professor Zeit and Dr. Jäger.

e. General Pathology and Histopathology, Recitation Course.—First semester. Two hours a week. Professor Zeit and Dr. Jäger.

f. Special Pathology.—Lectures and demonstrations. Second semester. Four hours a week. Professor Zeit.

g. Special Pathology.—Laboratory work. Second semester. Each section two laboratory periods each week. Professor Zeit and Dr. Jäger.

h. Pathology.—Post-mortem technique and exercises in morbid anatomy. College and hospital autopsies as announced on the bulletin board. Students of the second and third years are excused from conflicting college duties. Professor Zeit and assistants.

SUMMER COURSES

i. Bacteriology, Laboratory Work.—Three hours daily. Two months. Equivalent to Course b. Professor Zeit and Mr. Wayson.

j. Bacteriology, Recitation Course.—Equivalent to Course c. Mr. Wayson.

k. General Pathology and Histopathology, Laboratory Work. Three hours daily. Equivalent to Course d. Professor Zeit and Dr. Jäger.

l. General Pathology and Histopathology, Recitation Course. Equivalent to Course c.

Third Year Given in 1909-1910

m. Special Pathology.—Lectures and demonstrations. Second semester. Two hours a week. Professor Zeit

n. Special Pathology.—Laboratory demonstrations and exercises in morbid anatomy. Professor Zeit and assistants.

o. Post-Mortem Technique.—Third year students are required to attend all post-mortems and are excused from conflicting college duties. Professor Zeit and assistants.

Second, Third, and Fourth Years---Elective

p. Advanced Work and Research in Bacteriology.—Professor Zeit.

q. Advanced Work and Research in Pathology.—Professor Zeit.

Pharmacology

Professor Richards and Dr. Scott

The instruction in pharmacology consists of lectures, recitations, and laboratory work. In the lectures are considered the sources of drugs, their official preparations and the nature of their active constituents; various physiological conditions which may modify the intensity of drug action are discussed. The individual drugs which are used in medicine are studied in detail, especial emphasis being laid on their action upon the diseased as well as upon the normal organism. In the recitations, the material covered by the lectures and text-book

is discussed. A number of recitation hours are devoted to practice in prescription writing.

In the pharmaceutical laboratory the student is required to work out for himself the general chemical and physical properties of the active constituents of drugs; to separate an alkaloid from a crude drug or from the tissues of an animal poisoned by it; to make samples of all the types of pharmacopeial preparations and study their superficial qualities; to study incompatibility in prescribing, using the preparations he has made and others which are furnished to him. In the pharmacological laboratory the action of drugs upon living animals is studied. Special efforts are devoted to the determination of the mechanism which is involved in the action of the drug. Frequent conferences are held in which the results of the work in the laboratory are discussed and criticized, and their bearing upon general questions of pharmacology and treatment brought out.

Second Year

a. Lectures in Pharmacology.—Two hours a week throughout the year. Professor Richards.

b. Recitations in Pharmacology.—In three sections. One hour a week throughout the year. Professor Richards and Dr. Scott.

c. Pharmaceutical Laboratory, Three Sections.—Two hours a week during the first semester. Professor Richards and Dr. Scott.

d. Pharmacological Laboratory, Six Sections.—Two hours a week during the second semester. Professor Richards and Dr. Scott.

Third and Fourth Years

e. Research Work.—The laboratory is open for research work to a limited number of qualified workers. Professor Richards.

Physiology

Professor Hall, Professor Grinker, Dr. Kurtz, and Assistants

Instruction is based upon laboratory work and demonstrations. In the laboratory each student demonstrates for himself fundamental laws of physiology and observes the phenomena upon which these laws are based. The demonstrations present experiments too difficult for the student to perform alone. The laboratory work and demonstrations form an experimental basis for the science of Physiology, which is presented systematically in the recitation course accompanying the experimental courses.

First Year

a. General Physiology.—Cellular biology, and the physiology

of muscle and nerve tissue, and of the muscular system. Lectures and demonstrations, three times a week, and laboratory work one period a week. One semester. Professor Hall and assistants.

b. Special Physiology.—The physiology of circulation and respiration. Recitations and demonstrations, three periods a week. Laboratory two periods a week. One-half of a semester. Professor Hall and assistants.

b,b. Summer Course.—Daily for four weeks. Equivalent to Course b. Dr. Kurtz.

c. Haematology.—The physiology of the blood. Recitations and demonstrations, three times a week. Laboratory work, two periods a week. One-fourth of a semester. Professor Hall and Dr. Kurtz.

c,c. Summer Course.—Daily for four weeks. Equivalent to Course c. Dr. Kurtz.

d. Physiology of the Special Senses.—Recitations, demonstrations and laboratory, six hours a week. One-fourth of a semester. Professor Hall and assistants.

Second Year

e. The Physiology of Digestion, Metabolism, Animal Heat, and Excretion.—Recitations and demonstrations. Once a week. Professor Hall.

f. Physiology of the Central Nervous System.—Lectures, demonstrations, and recitations. Twice a week. One-half of a semester. Professor Grinker.

g. Experimental Physiology of the Central Nervous System. Laboratory work. One period a week. One-half of a semester. Elective. Professor Grinker.

h. The Physiology of Muscular Exercise.—Four hours a week. One semester. Elective.

Third and Fourth Year Elective

i. Pathologic Physiology.—Four hours a week.

j. Dietetics, Theoretical and Practical.—Four hours a week.

College of Liberal Arts

The courses of the first year, a, b, c, may be completed either in the Medical School or in the laboratories of the College of Liberal Arts at Evanston. Students wishing to complete the work in College should register in the department of Zoölogy as follows:

D. Physiology for Medical Students.—Three hours a week throughout the year. Dr. Harper.

Sanitary Science

Professor Evans

Lecture Course.—The organization of a health department, contagious diseases, disinfection, school inspection, hospitals, dispensaries and ambulances, vital statistics, food control, laboratories, and sanitary bureaus, with demonstrations in the small pox hospital, drainage canal, water works, and garbage destruction. One lecture a week. Professor Evans.

Surgery

Professor Murphy, Professor Owens, Professor E. W. Andrews, Professor Morgan, Professor Halstead, Professor Plummer, Professor Schroeder, Professor Schmidt, Professor Neff, Professor Besley, Professor Richter, Professor Kanavel, Dr. McArthur, Dr. Cubbins, Dr. Pierce, Dr. Matter, Dr. Fox, Dr. Riebel, Dr. Danforth, Dr. Parker, Dr. Golden, Dr. Horn, Dr. Lespinasse, Dr. Mowry, Dr. Grimes, Dr. Biankini, Dr. Ross, Dr. Swift, Dr. McDowell, Dr. Speed, Dr. Jacobs, Dr. Thomas, Dr. Rankin, Dr. Kelley, Dr. Schrager, and Dr. Sawyer.

The course offered in Surgery is systematically graded, beginning in the first year with a course in the application upon plaster models, cadavers and patients, of roller bandages, casts, splints, extensions, and braces. The last half of this course is devoted to the study of surface surgical landmarks. Third year students are given a systematic course in recitations and conferences covering the entire field of Surgery. Third year students attend at St. Luke's Hospital the Surgical Clinics and Clinical Conference Courses by Professor Owens, Professor Halstead, and Dr. McArthur and their associates. At Wesley Hospital Surgical Clinics are given by Professor Plummer, Professor Schroeder, Professor Besley, Professor Richter, and Professor Kanavel. Sections of the fourth year class attend the Surgical Clinics at the People's Hospital given by Dr. Riebel, and at the Charity Hospital by Professor Besley, Professor Richter, and Professor Kanavel. The whole fourth year class attends Professors Murphy's and Andrews' Surgical Clinics at Mercy Hospital.

First Year

a,a. Preliminary Surgery.—Surface landmarks, bandaging, organ location. Once a week. Professor Kanavel, Dr. Danforth, Dr. Horn, and Dr. Speed.

Third Year

a. Recitations and Conferences on Surgery.—To cover the entire field of Surgery, General and Special, to sections of the class three hours a week by each of the following: Professor Plummer,

Professor Kanavel, Professor Besley, Professor Richter, Dr. Cubbins, and Dr. Pierce. Each course lasting five weeks, the section then alternating to another teacher for the succeeding five weeks, and so on through the entire field of Surgery.

b. Dispensary Clinics at Medical School in General Surgery.—Individual instructions in divided classes six times a week for four weeks. Professor Besley, Professor Kanavel, Professor Richter, Dr. Churchill, Dr. Eustace, Dr. Riebel, Dr. Fox, Dr. Grimes, and Dr. Francis.

b,b. Summer Courses in the Dispensary will be the same as winter.

c. Dispensary Clinics at Mercy Hospital Dispensary.—Professor Neff, Dr. Cubbins, Dr. Golden, Dr. Biankini, Dr. Kelley, Dr. Grimes, Dr. Speed, and associates.

d. Dispensary Clinics in Genito-Urinary Surgery, College.—Individual instructions in divided classes six times a week for four weeks. Professor Schmidt, Dr. Lespinasse, Dr. Ross, Dr. Swift, Dr. Mowry, and Dr. McDowell.

d,d. Continuous Summer Course.—Equivalent to Course d.

e. Dispensary Clinics at Provident Hospital.—Dr. Fox.

f. Operative Surgery on Cadaver.—Laboratory. First Semester. Three periods a week for four weeks. Dr. Eggert, Dr. Cubbins, and associates.

g. Experimental Operative Surgery on Dogs.—Professor Neff, Professor Kanavel, Dr. Churchill, and Dr. Schrager.

h. Clinical Lectures at Wesley Hospital Amphitheater.—Twice a week. Professor Plummer and Professor Schroeder. Professor Plummer, Friday afternoon 3 to 5. Also one clinic a week, Monday afternoon by either Professor Besley, Professor Kanavel, or Professor Richter.

i. Clinical Lectures at St. Luke's Hospital.—Once a week, Wednesday 2 to 4 P.M. Professor Owens and Professor Halstead, Dr. Allport and Dr. McArthur.

j. Operative Surgical Clinics at Post-Graduate Hospital.—Once a week. One-half of the class each semester. Professor Besley, Professor Richter, and Professor Kanavel.

k. Surgical Pathology.—One hour a week. The class, divided into six sections, subjects to be divided between the members of the Teaching Corps of this Branch. Dr. Hollister, Dr. Danforth, Dr. Golden, Dr. Matter, Dr. Fox, and Dr. Kelley.

l. Clinic—Genito-Urinary Surgery.—Once a week. Professor Schmidt.

Fourth Year

m. Surgical Clinics at Mercy Hospital Amphitheater.—Two

two-hour periods a week. Professor Murphy, assisted by Professor Neff and Dr. Golden.

n. Clinical and Conference Course at Mercy Hospital Amphitheater.—To two-hour periods a week. Professor E. Wyllys Andrews, assisted by Dr. Pierce and Dr. Speed.

o. Surgical Clinic at Mercy Hospital.—To sections of the fourth year class three times a week, two hours each. Professor Morgan and Dr. Sawyer.

p. Lectures on Genito-Urinary Surgery.—Once a week. Professor Schmidt.

q. Surgical Clinic at Wesley Hospital.—One two-hour period a week. Professor Schroeder.

r. Surgical Clinic at People's Hospital.—Given to sections of the class once a week. Dr. Riebel.

s. Ward Visits at Wesley, Mercy, St. Luke's, People's, and Provident Hospitals.—Twice a week. Professor Andrews, Professor Plummer, Professor Halstead, Professor Neff, Dr. Pierce, Dr. Golden, Dr. Parker, Dr. Kurtz, and Dr. Fox.

t. Continuous Summer Course.—Equivalent to Course r.

u. Advanced Course in Genito-Urinary Surgery at Alexian Brothers' Hospital.—Professor Schmidt.

v. Surgical Clinics at Cook County Hospital.—Professor Halsted and Professor Besley, 10 to 12 a. m. Professor Andrews and Professor Schroeder, 2 to 4 p. m.

Sub-Department of Orthopedic Surgery

The instruction in Orthopedic Surgery is based upon the clinical material at hand. The abundant material of the dispensary clinic furnishes a sufficient range of cases to permit a fairly complete presentation of the whole subject of Orthopedics, with the advantage of illustrating each subject with one or more cases.

Third Year

a. Recitation or Clinical Lecture in Orthopedics.—Once a week.

b. Dispensary Orthopedic Clinics.—Before small sections. Four weeks, three times a week. Dr. Jacobs, Dr. Thomas, and Dr. Rankin.

b,b. Summer Course.—Equivalent to Course b.

c. Hospital Clinics and Operative Clinics.—At Mercy Hospital and Wesley Hospital, as material allows.

d. Special Training.—Selected students receive personal training, at the Home for Destitute Crippled Children, in operative technique, in ordering and adjusting of braces, in applying plaster of Paris dressings, in selecting materials, and in the details of manufacture of orthopedic appliances. Friday from 1 to 3.

HOSPITALS

The following hospitals are open to students of the Medical School. The names of members of the Faculty of the Medical School are marked with an asterisk in the lists given under Clinical Courses.

Mercy Hospital is situated on Twenty-sixth Street, extending from Prairie Avenue to Calumet Avenue. It is under the care of the Faculty of this School, and is conducted by the Sisters of Mercy. It receives a large number of patients annually. A large new pavilion has just been erected. The capacity is about four hundred beds. The operating rooms are equipped with every modern facility.

Daily clinics are held in the hospital amphitheater, and at the bedside in the wards. The members of the Clinical Class are allowed to examine cases for themselves in order to acquire a personal familiarity with the clinical aspects of a large variety of diseases. In groups of two or three, fourth year students are allowed to watch the progress of obstetrical cases under the direction of the House Physicians. A laboratory, equipped for clinical bacteriology and microscopical work, is utilized for teaching purposes and for clinical examinations.

The annual fee for the Mercy Hospital ticket, paid by fourth year students, is six dollars.

Wesley Hospital stands beside the College building and is connected with it by a covered corridor. Among the most notable recent additions to the equipment of the Medical School are the operating rooms, wards, and laboratories of Wesley Hospital. The wards and private rooms contain together two hundred twenty-five beds. The instruction given to the students in Wesley Hospital constitutes a very important part of the clinical course. The annual fee for the Wesley Hospital ticket, paid by fourth year students, is five dollars.

St. Luke's Hospital is situated on Indiana Avenue, near Fourteenth Street. Owing to its central location, it receives many accident cases, and its surgical clinic is large. Clinics are given regularly in medicine, nervous diseases, surgery, gynecology, and diseases of the eye and ear. The autopsies, held in the amphitheater of the hospital morgue, constitute an important part of the clinical instruction. The clinics and autopsies of St. Luke's Hospital are attended principally by the third year students. The annual fee is five dollars.

Provident Hospital is located at the corner of Thirty-sixth and

Dearborn Streets. It has been enlarged recently, and has one hundred beds, accommodating eight hundred patients annually. A large dispensary treats about six thousand ambulatory patients each year.

The People's Hospital is a private institution, organized in 1897 by Dr. I. C. Gary, Northwestern University, 1889, as an ideal wage-earner's hospital for persons in moderate circumstances.

It is conveniently situated at the corner of Archer Avenue and Twenty-second Street, within short walking distance of the School. One interne is appointed each year from the graduating class at the College, and two fourth year students live at the hospital and serve as assistants. The hospital is well supplied with operating rooms and with a complete laboratory, and is open to the School for clinical teaching.

The South Side Dispensary is located in Davis Hall of the School of Medicine, which was constructed especially for an out-patient hospital, and contains accommodations as complete as any institution of its kind in the country. Twenty-five thousand patients are treated in this dispensary annually. Small classes of students are trained in the details of physical diagnosis by the physicians in charge of the departments.

For dispensary courses, see the departments of instruction, pages 156 to 171.

The Chicago Lying-in Hospital and Dispensary offers a clinical and didactic course. Each fourth year student takes a course of two weeks during which he conducts from six to ten labors, under the supervision of the resident staff, and attends the mother and child during the puerperium.

The Hospital is located at 294 Ashland Boulevard, the Dispensary at 302 Maxwell Street, in the most thickly populated district of Chicago. Its work is done in the homes of the patients. Over eleven hundred patients are confined in this service yearly—one hundred fifty in the Hospital and nine hundred fifty in the Dispensary.

The fee for the course is fifteen dollars, payable in advance to the Hospital.

The Cook County Hospital is a public institution situated at the corner of Wood and Harrison Streets. The average number of patients is between nine hundred and a thousand daily. It is open to all medical schools for clinical instruction. About a thousand students attend its clinics. The Representatives of the Faculty of Northwestern University on the Hospital Staff are: In Medicine—Professor Mix, Professor Preble, Dr. Harpole, Dr Elliott, and Dr. Goldsmith; In Surgery—Professor Andrews, Professor Schroeder, Professor Halstead, and Professor Besley.

Clinics by members of this Faculty are given every Friday from

9 a.m. until 4 p.m. to the students in the third year class. The annual ticket is five dollars.

The Mercy Hospital Dispensary was erected in 1908. For a description of the building see page 44.

HOSPITAL APPOINTMENTS

There are four interneships at Wesley Hospital each year, six at Mercy Hospital, five at St. Luke's Hospital, thirty-four at Cook County Hospital, five at The Alexian Brothers' Hospital, three at The Michael Reese Hospital, six at St. Elizabeth's Hospital, two at Chicago Hospital, two at Provident Hospital, one at The Passavant Hospital, one at The Chicago Policlinic, and six at The Chicago Lying-in Hospital. Two members of the graduating class, who have shown proficiency and are desirous of receiving training in Genito-Urinary, Venereal, and Skin Diseases, may receive appointments, to serve one year each, as internes at The Alexian Brothers' Hospital, by applying to Dr. L. E. Schmidt. For hospital appointments secured in 1908, see Prizes and Honors, page 351.

MERCY HOSPITAL

Attending Staff

Frank S. Johnson,* M.D., John H. Hollister,* M.D.

Consulting Physicians

Surgery.—J. B. Murphy,* M.D., E. W. Andrews,* M.D., William E. Morgan,* M.D., James M. Neff,* M.D.

Obstetrics.—Joseph B. DeLee,* M.D., David F. Monash,* M.D.

Orthopedic Surgery.—John Ridlon, M.D.

Gynecology.—Frank T. Andrews,* M.D., Thomas J. Watkins,* M.D., Walter S. Barnes,* M.D.

Medicine.—Nathan S. Davis,* M.D., Arthur R. Edwards,* M.D., George B. Dyche,* M.D., Paul Chester,* M.D.

Eye and Ear.—Richard J. Tivnen,* M.D.

Neurology.—Archibald Church,* M.D.

Dermatology.—Joseph Zeisler,* M.D.

Nose and Throat.—Frederick Menge,* M.D.

Pathology.—Frederick R. Zeit,* M.D.

Course of Clinics

Clinical Lectures. Gynecology d.—Once a week. Professor Frank T. Andrews.

Clinical Lectures. Medicine j.—Once a week, first semester; twice a week, second semester. Professor Davis.

Clinical Lectures. Medicine l.—Twice a week to fourth year class. Professor Edwards.

Clinical Lectures. Ophthalmology and Otology b.—Sections of the class, once a week. Dr. Tivnen.

Ward Visits. Medicine n.—Three times a week. Professor Davis, Professor Edwards, Professor Dyche, and Professor Chester.

Clinical Lectures. Surgery l.—Twice a week to fourth year students. Professor Murphy.

Clinical Lectures. Surgery m.—Twice a week to the fourth year class. Professor E. W. Andrews.

Clinical Lectures. Surgery n.—Sections of fourth year class. Professor Morgan.

Ward Visits. Surgery r.—Twice a week. Professor E. W. Andrews, Professor Neff, Dr. Golden, and Dr. Pierce.

WESLEY HOSPITAL

Attending Staff

Medicine.—Nathan S. Davis,* M.D., Arthur R. Edwards,* M.D., Robert B. Preble,* M.D., Frank X. Walls,* M.D., Achilles Davis,* M.D., Chas. A. Elliott,* M.D.

Surgery.—Samuel C. Plummer,* M.D., William E. Schroeder,* M.D., F. A. Besley,* M.D., H. M. Richter,* M.D., A. B. Kanavel,* M.D.

Gynecology.—Thomas J. Watkins,* M.D., Emilius C. Dudley,* M.D., Frank T. Andrews,* M.D., Robert T. Gillmore,* M.D., F. W. Van Kirk, M.D.

Obstetrics.—Joseph B. DeLee,* M.D., Charles B. Reed,* M.D.

Neurology.—Archibald Church,* M.D., Hugh T. Patrick,* M.D.

Eye and Ear.—Brown Pusey,* M.D., John G. Wilson,* M.D.

Dermatology.—Joseph Zeisler,* M.D., Lucius C. Pardee,* M.D.

Laryngology.—William E. Casselberry,* M.D., Frederick Menge,* M.D.

Pathology.—Frederick R. Zeit,* M.D.

Course of Clinics

Clinical Lectures. Gynecology c.—Once a week. Professor Watkins and assistants.

Clinical Lecture. Gynecology f.—To sections of the fourth year class. Once a week. Professor Watkins.

Clinical Lectures. Medicine k.—Once a week. Professor Preble.

Clinical Lecture in Medicine m.—Once a week. Professor Preble.

Clinical Lecture with Operations. Ophthalmology and Otology d.—Once a week. Professor Pusey, Professor Wilson, and assistants.

Ward Visits. Medicine n.—Professor Elliott and Professor Achilles Davis.

Ward Visits. Neurology g.—Once a week. Professor Grinker and Professor Hecht.

Clinical Lectures. Surgery h.—One two-hour period a week. Professor Plummer.

Clinical Lectures. Surgery p.—Once a week. Professor Schroeder.

Clinical Lectures h.—Surgery.—Professor Richter, Professor Besley, and Professor Kanavel.

Ward Visits. Surgery r.—Professor Plummer, Professor Schroeder, Dr. Parker, and Dr. Kurtz.

ST. LUKE'S HOSPITAL

Attending Staff

Surgery.—John E. Owens,* M.D., Lewis L. McArthur, M.D., W. H. Allport, M.D., Albert E. Halstead,* M.D.

Medicine.—Frank Billings, M.D., Henry B. Favill, M.D., Frank X. Walls,* M.D., Robert B. Preble,* M.D.

Gynecology.—Emilius C. Dudley,* M.D., Thomas J. Watkins,* M.D., Lester E. Frankenthal,* M.D., William Cuthbertson,* M.D.

Obstetrics.—Frank Carey, M.D., Junius C. Hoag, M.D.

Eye and Ear.—Frank Allport, M.D., Casey A. Wood, M.D., Thomas A. Woodruff, M.D., Paul Guilford, M.D.

Oral Surgery.—Thomas L. Gilmer,* M.D.

Pathology.—Frederick R. Zeit,* M.D., Ludwig Hektoen, M.D.

Orthopedic Surgery.—Frederick Mueller, M.D., J. L. Porter, M.D., E. W. Ryerson, M.D.

Laryngology and Rhinology.—William Casselberry,* M.D., T. Melville Hardie, M.D., Norval H. Pierce, M.D.

Neurology.—Archibald Church,* M.D., Sanger Brown, M.D.

Dermatology and Radiotherapy.—W. A. Pusey, M.D.

Pathology.—T. L. Dagg, M.D.

Course of Clinics

Clinical Lectures. Gynecology a.—Once a week. Professor Dudley, Professor Frankenthal, and Dr. Cuthbertson.

Clinical Lectures. Medicine g.—Once a week. Professor Preble.

Clinical Lectures. Surgery i.—Once a week. Professor Owens, Dr. Allport, Professor Halstead, and Dr. McArthur.

THE SOUTH SIDE DISPENSARY

MEDICINE

Arthur R. Edwards,* M.D.
Robert B. Preble,* M.D.
Charles L. Mix,* M.D.
Edson B. Fowler,* M.D.
Paul Chester,* M.D.
Achilles Davis,* M.D.
George B. Butt,* M.D.
Frank D. Francis,* M.D.
Sidney Klein,* M.D.
Luther J. Osgood,* M.D.
Albert Pech,* M.D.
Arthur C. Kleutgen,* M.D.
William H. Lamborn,* M.D.
Milton Mandel,* M.D.
Alfred J. Willets,* M.D.

DISPENSARY STAFF—CONTINUED

SURGERY

William E. Schroeder,* M.D.
Harry M. Richter,* M.D.
Frederick A. Besley,* M.D.
William R. Cubbins,* M.D.
Frank E. Pierce,* M.D.
Allen B. Kanavel,* M.D.
Ernest C. Riebel,* M.D.
Robert A. Black,* M.D.
Charles Marvin Fox,* M.D.
Charles M. Matter,* M.D.

NEUROLOGY

Archibald Church,* M.D.
Hugh T. Patrick,* M.D.
Julius Grinker,* M.D.
D'Orsay Hecht,* M.D.
Edgar N. Layton,* M.D.
George C. Shockey,* M.D.
William E. Brennemann,* M.D.
Albert B. Yudelson,* M.D.

ORTHOPEDIC SURGERY

Henry B. Thomas,* M.D.
Charles M. Jacobs,* M.D.
Arthur B. Rankin,* M.D.

GYNECOLOGY

Emilius C. Dudley,* M.D.
Thomas J. Watkins,* M.D.
Frank T. Andrews,* M.D.
Walter S. Barnes,* M.D.
Henry E. Sauer,* M.D.
Robert T. Gillmore,* M.D.
Thomas H. Lewis,* M.D.
Louis J. Pritzker,* M.D.
Otto S. Pavlik,* M.D.

OPHTHALMOLOGY

Brown Pusey,* M.D.
Richard J. Tivnen,* M.D.
George T. Jordan,* M.D.
Edward P. Carlton,* M.D.

OTOLOGY

John G. Wilson,* M.D.

PEDIATRICS

Frank X. Walls,* M.D.
Joseph Brennemann,* M.D.
John G. Campbell,* M.D.
Robert A. Krost,* M.D.
Henry W. Cheney,* M.D.
Charles J. Schoenfeld,* M.D.

LARYNGOLOGY AND RHINOLOGY

Frederick Menge,* M.D.
George P. Marquis,* M.D.
Charles B. Younger,* M.D.
George J. Dennis,* M.D.
Otis H. Maclay,* M.D.
William S. Bracken,* M.D.
Edward P. Norcross,* M.D.

DERMATOLOGY AND SYPHILOLOGY

Joseph Zeisler,* M.D.
Ernest R. Reynolds,* M.D.
Lucius C. Pardee,* M.D.
Frank E. Simpson,* M.D.
Alfred F. Jacobson,* M.D.

GENITO-SURGERY

Louis E. Schmidt,* M.D.
Victor D. Lespinasse,* M.D.
James G. Ross,* M.D.
Brown Fred Swift,* M.D.
Albert E. Mowry,* M.D.
William S. McDowell,* M.D.

PROVIDENT HOSPITAL

Attending Staff

Surgery.—Daniel H. Williams, M.D., A. A. Wesley, M.D., J. Charles Hepburn, M.D., G. C. Hall, M.D.

Obstetrics.—Joseph B. DeLee,* M.D., Herbert M. Stowe,* M.D.

Dermatology and Genito-Urinary Surgery.—Albert E. Mowry,* M.D., K. A. Zoraski, M.D.

Gynecology.—A. W. Williams, M.D., B. Van Housen, M.D., Charles M. Fox,* M.D., Robert T. Gillmore,* M.D.

Pathology.—S. C. Dickerson, M.D.

Medicine.—Edward S. Stewart, M.D., Luther J. Osgood,* M.D., D. E. Burrows, M.D.

Eye and Ear.—W. A. Mann, M.D., M. Z. Albro, M.D.

Nose and Throat.—J. Frank McKinley, M.D., Edward P. Norcross,* M.D.

Pediatrics.—Andrew L. Smith, M.D., J. R. White, M.D., Clifford G. Grulee, M.D., F. C. Jacobsen, M.D.

Oral Surgery.—C. E. Bentley, M.D., C. P. Pruyn, M.D.

Orthopedics.—H. O. Jones, M.D., Henry B. Thomas,* M.D.

THE PEOPLE'S HOSPITAL

Consulting Staff

Surgeon, William E. Morgan,* M.D.
Physician, George W. Webster, M.D.
Gynecologist, Frank T. Andrews,* M.D
Neurologist, Hugh T. Patrick,* M.D.

Attending Staff

Surgery.—William E. Schroeder,* M.D., Ernest Riebel,* M.D.

Eye and Ear.—J. R. Kewely, M.D., W. A. Peterson, M.D.

Obstetrics.—I. C. Gary, M. D.

Pediatrics.—C. H. Bryan, M.D.

Medicine.—Charles A. Elliott,* M.D., L. N. Barlow, M.D., Samuel J. Russell, M.D., Charles A. Erickson,* M.D., L. J. Isaacs, M.D.

Radiotherapy.—G. G. Burdick, M.D.

Orthopedic Surgery.—John L. Porter, M.D.

Rectal Surgery.—Charles J. Drueck, M.D.

Course of Clinics

Surgical Clinic g.—Sections of the fourth year class. Once a week. Professor Schroeder and Dr. Riebel.

GENERAL STATEMENTS

THE LIBRARY

The Library of the Medical School, formerly known as the Alumni Library, is situated on the fourth floor of Davis Hall. It has been acquired by purchase, and by donations from students, alumni, and members of the faculty. It contains a large number of reference books, dictionaries, current journals, and all of the larger systems of Medicine and Surgery. Each department of instruction in the School is well represented, and all of the more important recent works in the various departments of instruction are added to the Library as they appear. The Library is open from 9 to 5 o'clock daily. An attendant is constantly present to aid the student. Special attention is paid to current medical literature, and to the completion of files of standard journals.

VAIL RESEARCH FUND

Dr. A. S. Vail established a research fund by a gift of $1,000.00, increased by later contributions by Dr. Vail and others. The interest on the principal is used for research fellowships. Gifts from alumni will be welcomed.

TEXT-BOOKS AND REFERENCE BOOKS FOR 1908-1909

Text-Books are printed in italics.

Dictionaries.—*Gould,* Century, American Illustrated Medical.

Anatomy.—*Gray, Cunningham, Cunningham's Dissector, Treves' Applied Anatomy,* Yutzey's atlas of Dissections, Ellis' Demonstrations of Anatomy, Morris, Quain, Gerrish, Jœssel, Edinger on Brain and Spinal Cord, Spalteholtz, Howell on Dissection of the Dog, Whitehead, Holden's Osteology, Hayne's Manual of Anatomy, Eisendrath, Woolsey.

Histology.—*Hill,* Bohm and Davidoff, Stohr, Quain, Szymonowicz, Bailey, Ferguson and Hubert, Piersol, Schaefer.

Embryology.—Heisler, Hertwig, Quain, Marshall, Minot, Manton's Syllabus.

Physiology.—*Hall's Text-Book of Physiology, Hall's Manual of Experimental Physiology,* Howell, Brubaker, Landois.

CHEMISTRY.—*Long's Text-Book of Physiological Chemistry, Long's Urine Analyses.*

MATERIA MEDICA.—*Cuchney, Text-Book of Pharmacology and Therapeutics,* The National Pharmacopœia.

PATHOLOGY.—*Delafield and Prudden, Well's Chemical Pathology, Durock Pathologic Histology, Mallory and Wright Pathological Technique,* Ziegler's General Pathology, American Text-Book of Pathology, Stengel, McFarland, Coplin, Kaufman Special Pathology.

CLINICAL PATHOLOGY.—Simon, Clinical Diagnosis; Emerson, Clinical Diagnosis; Wood, Chemical and Microscopic Diagnosis; Sahli, Diagnostic Methods; Long's Text-Book of Physiological Chemistry; Hammarsten's Physiological Chemistry; Cabot, Clinical Examination of the Blood.

MEDICAL JURISPRUDENCE.—*Draper,* Reese, Taylor.

NERVOUS DISEASES.—*Church and Peterson,* Dana, Gowers, Dercum, Gray, Mills.

PRACTICE OF MEDICINE.—*Edwards', Davis' Heart, Lungs and Kidneys,* Osler, Eichhorst, Leube's Differential Diagnosis, Strümpell, Allbutt.

SURGERY.—*Lexer-Bevan; Keen;* von Bergman-Bull; Park; Da Costa; Wyeth; Bland Sutton on Tumors; Ochsner; Bryant; Jacobson; American Text-Book of Surgery.

OBSTETRICS.—*De Lee's Notes, Williams,* Edgar, De Lee's, Obstetrics for Nurses.

PHYSICAL DIAGNOSIS.—*Vierordt, Musser, Butler,* Von Leube, Sahli, Lefevre, Cabot.

DISEASES OF CHILDREN.—*Holt, Koplik,* Hatfield, American Text-Book of Children.

GYNECOLOGY.—*Dudley,* Buford, Webster, Kelly, Emmet, Montgomery, Reed.

LARYNGOLOGY.—*Kyle, Coakley,* McBride, Wright, American Text-Book of the Eye, Ear, Nose, and Throat.

DERMATOLOGY.—*Stelwagon, Walker, Jackson.*

ETIOLOGY AND HYGIENE.—*Welch and Schamberg,* Abbott, Harrington.

BACTERIOLOGY.—*McFarland, Parks, Muir and Ritchie, Abbott,* Sternberg, Kolle and Wasserman.

ORTHOPEDIC SURGERY.—*Ridlon and Jones,* Bradford and Lovett, Whitman.

SYPHILIS AND VENEREAL DISEASES.—*Schmidt, Keyes.*

DIETETICS.—*Williams,* Hutchinson, Thompson.

REQUIREMENTS FOR DEGREES

To obtain the degree of Doctor of Medicine, the candidate must be of good moral character and must maintain an irreproachable moral standing while at the School; he must be at least twenty-one years of age; he must pay all fees in full; he must complete satisfactorily four full annual courses of lectures of eight months each, including all the topics listed as required; he must dissect the median half of the human body; he must be in attendance upon clinics for three years; he must secure satisfactory standing in all final examinations.

Final Examinations

Final examinations are held in required courses at the end of each semester. Second examinations are given in October and in February.

Students delinquent in two or more branches after the October examinations are required to take those branches a second time, and they may not elect studies that conflict with them. Such students will be listed as unclassified.

Honors

Two general honors, *Magna Cume Laude* and *Cum Laude,* are granted to students, elected by the Faculty because of uniformly good standing.

Special honors are awarded to students of uniformly good standing in required subjects and who do special work of an excellent character in any department.

FEES AND EXPENSES

Matricuation Fee.—The student is required to pay at the time of his first registration a matriculation fee of five dollars, which is paid but once, is charged all students alike, and is in no case refunded.

Annual Fee.—The annual fee is one hundred seventy-five dollars, due in installments as follows: Before October 6, $60.00; before January 4, $60.00; before April 2, $55.00. *Failure to comply with this regulation entails suspension from the quiz lists.* A discount of $15.00 is made when all fees and deposits for the year are paid before October 7.

Laboratory Fee.—Each student who uses a college microscope is charged a rental as follows: In Histology and in Pathology, $2.00 a semester; in Bacteriology, for microscope having oil-immersion lens, $3.00 a semester.

Hospital Fees.—The hospital fees, ranging from five to twenty dollars a year, are announced in connection with the hospitals.

EXAMINATION FEE.—A fee of five dollars is charged for a special examination out of course.

DEPOSITS.—A deposit of ten dollars is required from each student, payable on or before the first Monday in October, to cover breakage and injury to apparatus in the laboratories, unnecessary damage to buildings, loss of instruments in laboratories and clinics. This deposit is refunded if no injury or loss occurs. Deductions to cover loss are made from the deposit of individual students, when it can be determined who has caused breakage or loss of apparatus or defacement of buildings; when it cannot be so determined, the loss or injury is deducted pro rata from the deposits of all students.

REFUNDS.—No refund of tuition fees is made except on account of serious illness. A student withdrawing before the middle of a semester who secures from the Dean a statement of honorable standing and from a physician a certificate of inability to remain in attendance, is allowed one-half the tuition fee for that semester.

ASSIGNMENT OF SEATS.—Students of the three upper classes may register and secure seats in the amphitheaters at the opening of the session, or they may do so at an earlier date by sending five dollars to the Registrar of the School.

The right is reserved to alter fees and to levy new fees without notice, as conditions may demand. Drafts should be made payable to the Registrar.

Practitioners are welcome to attend lectures and clinics for a brief time; those attending single courses or laboratory courses through the year are charged from fifteen to twenty-five dollars for each course; those taking all of the work of any one year pay the same fee as regular students.

Board and Lodging

Board and lodging vary in price from $3.50 to $6.00 a week. Room cost from $6.00 to $10.00 a month. A list of rooms and boarding places can be obtained at the Young Men's Christian Association or at the Registrar's office.

MISCELLANEOUS INFORMATION

The Medical School is located in the city of Chicago, on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. Wesley Hospital adjoins it, connected by a covered corridor, and Mercy Hospital and St. Luke's Hospital are within short walking distance. The district surrounding furnishes an almost exhaustless supply of clinical material.

The buildings, Davis Hall and the Laboratory Building, were erected for the purposes of the School, and are comparatively new. A description of them is given on page 44.

To Reach the College

Take the South Side Elevated Railroad to Twenty-sixth Street, or the State Street cars to Twenty-fourth Street.

The Young Men's Christian Association

The Young Men's Christian Association of Northwestern University Medical School was organized in 1892 and is connected with the Intercollegiate Department of the Chicago Association. Its members obtain the full privileges of any of the Association buildings in this city at sixty per cent of the regular rates.

The Association aims to maintain a high moral and religious tone in the School. It conducts a religious meeting once a week during the college year and weekly classes in Bible-study.

Committees of the Association aid students in obtaining board and rooms. Connected with the Medical School Association is an efficient employment bureau, conducted under the supervision of a General Secretary. A canvass is made each summer and places found for students wishing to earn money during the medical course. For a list of officers of the Association of the Medical School see University Societies, page 358.

The Hospital Quiz Class

A careful review of the medical course is very helpful to students who take the competitive hospital examinations. To meet this condition a hospital quiz class under faculty supervision is conducted during the last twenty weeks before the examinations to furnish thorough reviews without sacrificing the required fourth year work.

Only members of the highest quarter of the graduating class are eligible to the quiz class. Every member of the quiz class since 1900 has secured a hospital appointment.

THE SUMMER SCHOOL

The Summer School meets an increasing demand for summer work. It offers courses in medicine to students from institutions with less fortunate clinical facilities, to students of this School making special preparation for competitive hospital examinations at the end of the course, and to students who have work to make up.

The courses of the Summer School are well adapted to the need of practitioners. There is the best opportunity for practice in newer and more scientific methods of clinical diagnosis and pathology, and for study of experimental physiology, therapeutics, and surgery. The comparatively small number of students increases the value of summer courses.

Credit is given for these courses so far as they cover the ground of the regular course of the college year.

Courses are not given for which an insufficient number of students register. The courses of the Summer School are described in the articles on the several departments, pages 156 to 171.

The Summer School begins June 3 and closes August 1, covering the period of a half semester. Registration must be made with the Registrar at the Medical School.

TRAINING SCHOOL FOR NURSES

Northwestern University School for Nurses, under the supervision of the Medical School, furnishes instruction in certain subjects, especially laboratory instruction, for students in the Training Schools of the affiliated hospitals, and for other persons properly qualified. The requirement for admission is a high school diploma.

The courses for nurses are separate from those of the medical students, but the laboratories and the facilities of The Medical School are freely available. The practical work for nurses is given in the hospitals under the immediate charge of the teaching force of each hospital. The diplomas for nurses are granted at the University Commencement.

Faculty

The faculty of the School for Nurses includes many instructors connected with the hospitals and The Medical School. The officers are as follows:

Professor Winfield Scott Hall....*Junior Dean of Medical Faculty, In Charge of Course of Study, Lecturer on Physiology and Dietetics*

Sister Mary Veronica.....*Principal of the Training School of Mercy Hospital and Superintendent of Nurses*

Arletta Elizabeth Brode.....*Principal of the Wesley Hospital Training School*

The Law School

THE LAW SCHOOL

The Law School was founded with a sum of money given by Thomas Hoyne in 1859, when there were only three similar schools west of the Allegheny Mountains. The first dean was Henry Booth, 1859-1891. For many years the School was under the joint control of the old University of Chicago and of Northwestern University, and was known as the Union College of Law. In 1891, the other University having long ceased to share in the management and being about to surrender its charter, Northwestern University assumed sole control, and the School has since borne the name of the University.

The course of study is arranged to give the knowledge of the law that will be indispensable to students wherever they may practice. Graduates of the School now practice in nearly forty States and Territories. Special opportunities are afforded for acquiring a knowledge of the law of Illinois, the peculiarities of which are pointed out in every course.

The Case system, or the study of the principles of law as demonstrated in actual cases, is followed almost to the exclusion of the use of text books. This requires more reading on the part of the student, but gives him in return that ready facility in extracting principles of law from decided cases and applying them to cases in practice which must be acquired by every lawyer. The extensive and comprehensive library of the School lends itself peculiarly to this modern and scientific mode of instruction.

The School is located in the Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago, which was acquired and rebuilt in 1901-1902, at a cost of nearly one million dollars, as a permanent home for the departments of law, pharmacy, and dentistry. It is situated near the center of the business district of Chicago and is easy of access from all residence portions of the city. The City, State, and Federal Courts are within a few blocks. The School occupies 24,000 square feet of space, divided into convenient lecture-rooms, assembly-rooms, study-rooms, professors' offices, court-room, and library. The arrangement of the rooms, opening on an inner court-yard, ensures seclusion and quiet for study.

The names of the Faculty, with the exception of the President, are arranged, within each group, in the order of date of appointment. The first group includes those who have offices in the School building. The second group includes all other members who under the statutes of the University have seats in the Faculty as officers of government.

THE FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D. ..... *President*
JOHN HENRY WIGMORE, A.M., LL.B., LL.D. ... *Professor of Law; Dean*
FREDERICK BEERS CROSSLEY, LL.B. ..... *Secretary and Librarian*

CHARLES CHENEY HYDE, A.M., LL.B. ..... *Associate Professor of Law*
ALBERT MARTIN KALES, A.B., LL.B. ..... *Associate Professor of Law*
CHARLES GEORGE LITTLE, A.B., LL.B. ..... *Associate Professor of Law*
HENRY SCHOFIELD, A.M., LL.B. ..... *Professor of Law*
LOUIS MAY GREELEY, A.B., LL.M. ..... *Professor of Law*
ROSCOE POUND, LL.D., Ph.D., LL.M. ..... *Professor of Law*

SAMUEL ADAMS, A.B., LL.B. ..... *Professor in the Law of Pleading*
LEVI HARPER FULLER, B.S., LL.B. .. *Professor in the Law of Procedure*
MITCHELL DAVIS FOLLANSBEE, A.B., LL.B. ... *Professor in the Law of Procedure and in Legal Ethics*
CHARLES BYRD ELDER, LL.B. ..... *Instructor in the Law of Judgments and Extraordinary Legal Remedies*
HENRY CLAY HALL, A.M., LL.B. ... *Instructor in the Law of Insurance*
EBENEZER WASHINGTON ENGSTROM, A.B., LL.B. *Instructor in Forensics*
HERBERT JACOB FRIEDMAN, A.B., LL.B. ..... *Instructor in the Law of Crimes and Criminal Procedure*

CHARLES CLARENCE LINTHICUM, LL.B. *Lecturer on the Law of Patents*
CHARLES ERNEST PICKARD, A.B. ..... *Lecturer on the Law of Trademark and Copyright*
CHARLES YOE FREEMAN, A.B., LL.B. .. *Lecturer on Corporation Practice*
DWIGHT ST. JOHN BOBB, A.M., LL.B. ..... *Lecturer on Public Service Corporations*
ALFRED WILLIAM BAYS, A.B., LL.B. ..... *Lecturer on the Law of Bankruptcy and on General Practice*
ALBERT KOCOUREK, LL.B. ..... *Lecturer on Jurisprudence*
ALBERT KEEP II, LL.B. ..... *Lecturer on the Law of Sales*

THE LIBRARY

The library is well equipped for study and research. It comprises the United States Reports, the official Reports of all the States, the complete National Reporter System, partly in duplicate, the Lawyers' Reports Annotated, all of the official Illinois Reports in duplicate, statutes of all the States, periodicals, a large collection of digests, encyclopedias and text-books, a collection of works on Jurisprudence and Legal Biography. Of the English sources it possesses the complete Law Reports since 1865, substantially all the other regular Reports since the beginning of the Year Books, except those appearing in law journals, and the complete Statutes. It has also the Gary collection of early historical legal literature, English and Colonial, which is planned to include all such material not now elsewhere accessible in the libraries of the West.

The Gary Collection of Modern Continental Law, now numbering over 15,000 volumes on the law of twenty-one European countries, as contained in statutes, decisions, journals, and treatises, is not paralleled in scope by any other collection in the United States. As a source of investigation for Continental Law it provides facilities hitherto wholly unavailable.

The Gary Collection of International Law includes nearly 2,000 volumes; and includes printed material relating to American International Law and Diplomacy not elsewhere available in the West.

The Gary Collection of Ancient, Oriental, Primitive, and Mediaeval Law includes, among others, the Hindu, Mohammedan, Hebrew, Babylonian, Egyptian, Greek, Chinese, and Japanese systems, as well as the mediaeval European materials, and is invaluable to students of comparative law, politics, and history.

The Gary Collection of Roman and Civil Law numbers nearly 3,000 volumes, including the library of the late Moritz Voigt, of Berlin, Germany, and contains many rare volumes not found in any other American library.

The Gary Collection of Latin-American Law has been begun, and will include the laws of all Central and South American States.

The Gary Collection of Jurisprudence and Philosophy of Law is now installed.

ADMISSION AND INSTRUCTION

The candidate for admission as a regular student must be at least eighteen years of age.

A graduate of a college, university, or technical school may be admitted without examination upon the presentation of his diploma.

The graduate of a high school or academy maintaining a four-year course of study of satisfactory grade may be admitted without examination, upon the presentation of a satisfactory certificate from the proper school authority.

A candidate who has pursued a course of study equivalent to the four-year academic course may be admitted without examination upon the certificate of an authorized public officer, or of a proper officer of an institution of advanced learning.

All other applicants for admission must pass a satisfactory examination upon the subjects required for entrance to the College of Liberal Arts of this University. For these requirements see page 65.

Combined Courses

A member of the third or fourth year class, in good standing in the College of Liberal Arts, may elect work in the course in Law which shall count toward his graduation in both the College of Liberal Arts and in the Law School, but the work elected cannot exceed one years work in the Law School. Each election is subject to the approval of both Faculties. This provision enables a student to complete a course in the College of Liberal Arts and in Law in six years.

A member of the Law School may pursue not more than one course at a time in the College of Liberal Arts during the period of his registration in the Law School without additional charge for tuition.

Advanced Standing

The requirements for advanced standing are explained under the title Requirements for Degrees, page 182.

Special Students

Persons, not candidates for a degree, may pursue one or more courses as special students, provided they are qualified to pursue

such courses to advantage. They will receive a certificate for all work done and may enter at any time as candidates for a degree, provided they were substantially qualified under the above requirements for admission as regular students at the time of first entering the School. No special student may take more than twenty-five semester hours of work in one year without special permission from the Dean.

Time for Entrance

Application for advanced standing must be made before November 1 in the year of entrance. Registration for the graduate or fourth year course must be made before October 1. Students are urged to enter at the beginning of the year. The disadvantages of late registration are embarrassing, especially to students who intend to practice law in Illinois.

Courses of Study

The courses of instruction offered make a total of 112 semester-hours, and are carefully graded in three years. A regular student may take any course offered in the year to which he belongs, or any course not already taken in a preceding year; but he may not take, without special permission, a course assigned to a succeeding year, except Constitutional Law, Carriers, and Patents of Invention, which may be taken in the second year. Conveyancing and Property III are not open to students who have not previously taken Property I and II.

Schedule of Hours

In general the schedule of hours is arranged as follows: First year courses, between two and five o'clock in the afternoon; second year courses, between nine and twelve o'clock in the morning; third year courses, between three and seven o'clock in the afternoon. The Practice Court is held in the evening at half-past seven.

COURSES OF INSTRUCTION

The Degree of LL. B.

First Year

INTRODUCTION TO THE STUDY OF LAW.—Private reading, Course A, page 196. Written examinations. Credit, *one hour*. Prescribed.

LEGAL WRITING AND FORENSICS.—Course I, page 201. Written and oral exercises. Credit, *one hour*. Prescribed. MR. ENGSTROM.

CONTRACTS.—Williston's Cases on Contracts. *Three hours*. PROFESSOR POUND.

TORTS.—First semester.—Ames' and Smith's Cases on Torts. *Four hours*. Second semester.—*Two hours*. PROFESSOR WIGMORE.

PROPERTY I.—Gray's Cases on Property, Volumes I, II. Personal Property; tenures and estates in real property; fixtures, profits, easements, covenants running with land, rents. *Two hours*. PROFESSOR KALES.

CRIMES AND CRIMINAL PROCEDURE.—First semester.—Beale's Cases on Criminal Law. *Two hours*. MR. FRIEDMAN.

COMMON LAW PLEADING AND PROCEDURE.—Second semester.—Ames' Cases on Pleading, second edition; Andrews' Stephen on Pleading; practical exercises. *Three hours*. PROFESSOR ADAMS.

MASTER AND SERVANT IN TORT.—Second semester.—Wambaugh's Cases on Agency. *One hour*. PROFESSOR WIGMORE.

DAMAGES.—Second semester.—Beale's Cases on Damages. *One hour*. PROFESSOR SCHOFIELD.

Second Year

LEGAL WRITING AND FORENSICS.—First semester.—Moot Court, Course II, page 201. Oral and written work. *One hour*. MR. ENGSTROM.

LEGAL HISTORY AND BIOGRAPHY.—Prescribed and optional private reading, Courses B, BA, and BB, page 197. Written examinations. Credit, *one hour* for each course.

EVIDENCE.—Wigmore's Cases on Evidence. *Two hours*. PROFESSOR WIGMORE.

TRUSTS.—First semester.—Ames' Cases on Trusts. *Three hours*. PROFESSOR POUND.

AGENCY.—First semester.—Wambaugh's Cases on Agency. *Two hours.* PROFESSOR LITTLE.

COMMERCIAL PAPER.—First semester.—Ames' Cases on Bills and Notes. *Three hours.* PROFESSOR GREELEY.

EQUITY JURISPRUDENCE.—Ames' Cases on Equity Jurisprudence. *Three hours.* PROFESSOR SCHOFIELD.

PROPERTY II.—Acquisition of real property inter vivos, including deeds, covenants; devolution of propery at death, including descent, wills, administration. Gray's Cases on Property, Volumes III, IV. *Two hours.* PROFESSOR KALES.

EQUITY PLEADING AND PROCEDURE.—First semester.—Thompson's Cases on Equity Pleading; and practical exercises. *Two hours.* PROFESSOR ADAMS.

QUASI-CONTRACTS.—Second semester.—Keener's Cases on Quasi-Contracts. Given in 1909-1910 and alternate years. *Three hours.* PROFESSOR POUND.

SALES OF PERSONALTY.—Second semester.—Williston's Cases on Sales. *Three hours.* MR. KEEP.

FIRE INSURANCE AND LIFE INSURANCE.—Second semester.—Wambaugh's Cases on Insurance. *Two hours.* MR. HALL.

PERSONS, DOMESTIC RELATIONS.—Second semester.—Smith's Cases on Persons. *Two hours.* PROFESSOR KALES.

PUBLIC SERVICE CORPORATIONS.—Second semester.—Railroad, telegraph, gas, water, warehouse corporations, and similar services. Beale's and Wyman's Cases on Public Service Corporations. *One hour.* MR. BOBB.

Third Year

GENERAL JURISPRUDENCE AND HISTORY OF LAW.—Prescribed private reading; Courses C1, C2, C3, C4, page 197. Written examinations. Credit, *one semester hour* for each course.

CORPORATIONS.—Smith's Cases on Corporations. *Two hours.* PROFESSOR LITTLE.

PROCEDURE AND PRACTICE IN ILLINOIS.—First semester.—*Two hours.* PROFESSOR FOLLANSBEE.

INTERNATIONAL LAW I.—First semester.—Scott's Cases on International Law. *Two hours.* PROFESSOR HYDE.

INTERNATIONAL LAW II.—First semester.—American treaties and diplomacy; topics for research. *Two hours.* PROFESSOR HYDE.

SURETYSHIP.—First semester.—Ames' Cases on Suretyship. *Two hours.* PROFESSOR LITTLE.

JUDGMENTS AND AUXILIARY LEGAL REMEDIES.—First semester.—

Attachments, Garnishment, Execution. Rood's Cases on Attachments and Judgments. *One hour.* Mr. Elder.

Constitutional Law.—Thayer's Cases on Constitutional Law. First semester.—*Three hours.* Second semester.—*Two hours.* Professor Schofield.

Property III.—Conditional and future interests; restraints on alienation; fraudulent transfers; registration of deeds; conversion and election; joint ownership; curtesy and dower; homestead. Gray's Cases on Property, Volumes V, VI. *Two hours.* Professor Kales.

Conveyancing.—Drafting exercises, study of selected abstracts, and lectures on practice. *One hour.* Professor Greeley.

Conflict of Laws.—First semester.—Beale's Cases on Conflict of Laws. *Three hours.* Professor Hyde.

Code Pleading and Procedure.—Hinton's Cases on Code Pleading. *Two hours.* Professor Pound.

Analytical Jurisprudence.—First semester.—*One hour.* Mr. Kocourek.

Practical Problems in Contemporary Legislation.—Second semester.—Research, reports, and discussions. The topics are assigned at a preliminary meeting in October from subjects described on page 202. *One hour.* Professor Wigmore.

Practice Court.—Cases prepared and conducted through all details of litigation, by students acting as attorneys and counselors, under the direction of a professor as judge. One session a week. Professor Fuller.

Patents of Invention.—Three series of lectures: I. General Survey.—Five lectures; II. Patent Soliciting.—Twenty lectures, with practical exercises; III. Patent Law and Practice.—Forty lectures. Series I is open to all students; II and III are open to students of the second and third year and special students who have taken Series I. The number of lectures in the three series is equivalent to two hours a week throughout the year, or four semester hours. Series II and III are not given unless at least twenty special students apply before October 15. Professor Linthicum.

Corporation Practice.—Second semester.—Practical exercises in conducting corporate legal business, drafting instruments. *One hour.* Mr. Freeman.

Bankruptcy.—Second semester.—Williston's Cases on Bankruptcy. *Two hours.* Mr. Bays.

Carriers.—Second semester.—McClain's Cases on Carriers; Beale's Cases on Carriers. *Three hours.* Professor Greeley.

Mortgages.—Second semester.—Kirchwey's Cases on Mortgages. *Two hours.* Professor Greeley.

ROMAN LAW.—Second semester.—Pound's Readings in Roman Law. Given in alternate years. Not given in 1908-1909. *Two hours.* PROFESSOR POUND.

MUNICIPAL CORPORATIONS.—Second semester.—Smith's Cases on Municipal Corporations. *One hour.* PROFESSOR SCHOFIELD.

PARTNERSHIP.—Second semester.—Ames' Cases on Partnership. *Two hours.* PROFESSOR LITTLE.

EXTRAORDINARY LEGAL REMEDIES.—Second semester.—Mandamus, quo warranto, habeas corpus. Roberts' Cases on Extraordinary Legal Remedies. *One hour.* MR. ELDER.

JURISDICTION OF FEDERAL COURTS.—Second semester.—*One hour.* PROFESSOR SCHOFIELD.

ORIGINAL RESEARCH AND THESIS.—Credit not to exceed *two semester hours.* Page 200.

Reading in Legal History, Biography, and Jurisprudence

A credit of *one semester hour* is given on passing the examination in each of the following courses. The courses required for graduation as listed on page 204 in the article, Requirements for Degrees, are here designated as prescribed.

The Law School provides a sufficient number of duplicate copies of the books named for the prescribed reading, but students are recommended to own the books named, if they can afford to purchase them, in order to read during the summer vacation.

An examination in all the courses is held at the beginning of the first year and at the end of the second semester, and for Course A at the end of the first semester; the student desiring to take an examination must file notice in the Secretary's Office at least two days before the announced date of examination. A student failing at any examination may take the next regular examination, if he has reviewed the work. A student may take any of these examinations at any time after entering the School no matter to what class he belongs.

No lectures are given in any of these Courses, except C1, C2, and C4, the lecture courses of Jurisprudence, International Law, and Roman Law. The work is done by private study, but the courses are under the general supervision of the Faculty, who give advice on the desired subjects of study.

First Year

A. INTRODUCTION TO LEGAL HISTORY AND THE STUDY OF LAW.—Materials for reading: (a) Blackstone's Commentaries, any edition; Introduction, Sections 1-4; Book I, Chapters 1, 2, 5, 9, 11, 12; Book II,

Chapters 4-6; Book III, Chapters 3-9, 12, 13, 17-27; Book IV, Chapters 19-25, 27-29, 32, 33; (b) Woodruff's Introduction to the Study of Law; (c) Wambaugh's Study of Cases, Part I. Credit, *one semester hour. Prescribed.*

Second Year

B. HISTORY OF THE BENCH AND BAR.—Materials for reading: Campbell's Lives of the Chancellors, later editions, Volumes VIII-X, Erskine to Brougham inclusive, excepting chapters 181, 186, 189, 194, 199, 201, 203, 205, 209, 228, 229; Campbell's Lives of the Chief Justices, Volume III, chapters 30-40, Mansfield; the two essays of Zane and Veeder, in Select Essays in Anglo-American Legal History, Volume I, edited for the Association of American Law Schools, 1907. Credit, *one semester hour.* Prescribed.

BA. HISTORY OF THE BENCH AND BAR.—Materials for reading: (a) Campbell's Lives of the Chancellors, Volumes VI and VII, Hardwicke to Loughborough inclusive, excepting chapters 132, 133, 134, 146, 147, 149, 150, 151; (b) Campbell's Lives of the Chief Justices, Volume IV, Kenyon to Tenterden inclusive, excepting chapter 50; *or,* any one of the following English biographies: Arnould's Life of Denman; Hardcastle's Life of Campbell; O'Brien's Life of Russell; Atlay's Victorian Chancellors; (c) Any two of the following American biographies: Life and Letters of Joseph Story; Harvey's Reminiscences or Lodge's Life of Daniel Webster; Brown's Life or Neilson's Memoirs of Rufus Choate; Memoirs and Letters of James Kent; Memoirs of Sargent S. Prentiss; Magruder's Life of John Marshall; Caton's Bench and Bar of Illinois; Carson's History of the Federal Supreme Court; *or,* any three volumes of Lewis' Great American Lawyers. Credit, *one semester hour.* Optional.

BB. HISTORY OF THE ENGLISH LEGAL SYSTEM.—Materials for reading: (a) Pollock and Maitland's History of the English Law, Volume I, or Holdsworth's History of English Law, Volume I; and (b) Any one of the following works: Pollock and Maitland's History, Volume II; Holmes' The Common Law; Stephen's History of the Criminal Law; Select Essays in Anglo-American Legal History, Volumes I and II. Credit, *one semester hour.* Optional.

Third Year

One at least is prescribed from the four following:

C1. JURISPRUDENCE.—Any one work under each of the following two divisions: (a) ANALYTICAL JURISPRUDENCE: Austin's Jurisprudence; Holland's Jurisprudence; Salmond's Jurisprudence; Terry's Principles of Anglo-American Law. (b) HISTORICAL JURISPRUDENCE: Maine's Ancient Law; Fustel's Ancient City; Lee's Historical Jurisprudence. Credit for work done in the course on Analytical Juris-

prudence, in the general curriculum, is accepted in place of this Course. Credit, *one semester hour.*

C2. International Law.—Materials as prescribed in the regular course, International Law I. Credit, *one semester hour.*

C3. Roman Law.—Any one of the following texts: Gaius' Institutes, edited by Poste; Justinian's Institutes, edited and translated by Moyle; Pound's Readings in Roman Law. Credit for work done in the course on Roman Law, in the general curriculum, is accepted in place of this Course. Credit, *one semester hour.*

C4. History of Germanic Law.—Any one of the following works: Heusler's Institutionen des Deutschen Rechts; Brunner's Deutsche Rechtsgeschichte; Brissaud's Manuel d'histoire du droit français. Credit, *one semester hour.*

Graduate or Fourth Year Courses Counting for the Degree of Juris Doctor

The candidate may offer any third-year lecture-course not previously taken, and reading courses chosen from the following list:

History and Biography of the Bench and Bar.—To include the reading of all the materials named in Course BA, under courses of Reading in Legal History; and an essay on a selected topic.

History of the English Legal System.—To include the reading of all the materials named in Course BB, under courses of Reading in Legal History; and an essay on a selected topic.

History of American Law.—A study of the history of a subject in the law of one or more jurisdictions of the United States.

Analytical Jurisprudence.—To include the reading of all the materials named in Course C1 (a), under courses of Reading in Legal History; and an essay on a selected topic.

Primitive Law.—To include the reading of all the materials named in Course C1 (b), under courses of Reading in Legal History; and an essay on a selected topic.

History of Roman Law.—A study in the history of a topic in Roman Law; this must be preceded by the lecture course in Roman Law, or its equivalent.

History of Germanic Law.—To include the reading of all the materials named in Courses C4, under courses of Reading in Legal History; and an essay on a selected topic.

Modern Continental Law of Europe.—A study of some subject of contemporary law in one or more European Continental countries.

Comparative Legislation.—A study of some problem of modern legislation in two or more countries of Europe or America.

Comparative History of Legal Ideas.—A study of the development of some legal idea or transaction in different independent systems, European and non-European.

Legal Bibliography.—The preparation of a topical bibliography on a branch of the law named in these courses or on a substantial part of such a branch.

Ecclesiastical Law.—A study of some topic of ecclesiastical law, European or American.

Constitutional and Administrative Law of Continental Europe.—A comparative study of a constitutional or administrative principle in the countries of Continental Europe.

Legal Ethics.—A study of a problem of legal ethics.

Principles of American Law.—A study of a doctrine or rule of law in one or more jurisdictions of the United States.

Parliamentary Law.—A study of a rule of parliamentary law or practice, as applied today in deliberative bodies.

Not Counting For a Degree

Trade-Marks and Copyrights.—Six lectures. Mr. Pickard.

General Review.—Given twice, in September and June, prior to the State examination for admission to the Bar. Five hours a week for a month. Mr. Bays.

Legal Ethics.—Five lectures. Professor Follansbee.

Patents.—Five lectures. Professor Linthicum.

Training in Legal Writing and in the Practice of the Law

As a part of the systematic instruction in the body of the law, represented in the foregoing curriculum, an effort is made to provide adequate training in the practical use of legal knowledge and discipline, and in certain important details of legal writing and speaking which help materially to equip the accomplished lawyer. The various branches of work directed to this end are as follows:

Pleadings and Other Instruments.—The courses on Common Law Pleading, Code Pleading, and Equity Pleading, in addition to the study of the legal sources, include exercises in the drafting of the various kinds of pleadings. In Corporations the class is formed, during the second semester, into two corporations, which organize, elect officers, issue stock, enlarge capital, keep books, consolidate, and do

various other acts of corporate business calling for the drafting of instruments and in other ways familiarizing the student with the use of the legal knowledge acquired. In other courses, particularly in Commercial Paper, Carriers, Insurance, attention is paid to the forms of instruments in common use.

Conveyancing.—In the course on Conveyancing, the chief material consists of a series of fifteen selected abstracts of title representing a great variety of documents and proceedings involving property rights. A separate copy of each abstract is given each member of the class, and a detailed study of matters of form and substance, is made from the conveyancer's point of view, and with regard to the laws of different States. Thorough work in this course ought to equip the student as a practical conveyancer at the time of his entering upon his profession. No one may take this course who has not taken the courses Property I and II.

Trial Practice.—The courses on Procedure and Practice give a systematic and detailed survey of the rules of law. The course on Evidence includes an auxiliary drill in the use of the rules. The Practice Court gives the third year student opportunity to become practically familiar with these rules by the application of them in litigation managed by himself. The sessions of the Court are held weekly, on Thursday evenings, for two hours. During each session from one to three cases are tried, with and without a jury; and other cases are disposed of in various aspects. Between the sessions, causes are being prepared and advanced from stage to stage by the student-attorneys in charge. While the proceedings are dispatched at the hearings by the respective attorneys, all members of the class are required to attend, to make notes and to report on the work done. A faithful attention to this course ought to give the graduate experience in the use of legal knowledge that will materially assist him in starting in his profession. The systematic pursuit of such a course under an experienced instructor affords the student results more thorough, accurate, and extensive than can be obtained in the desultory service of a law office during a long period. A copy of the printed Rules of the Practice Court will be mailed upon request.

Legal Tactics.—For seven years, on every Monday evening until April, an address has been given, by some well-known member of the Bar, upon a topic of practice in which he had special experience. This course has been of particular value to young practitioners already at the Bar. It will be repeated with some variations in 1909-1910. The names of the speakers are published in the August-October number of the Quarterly Bulletin of the Law School. A list of lectures announced for 1908-1909 may be found on page 56 of this catalogue.

Theses.—To encourage original research, the Faculty will grant credits, not to exceed two semester hours, to any member of the

third-year class who shall present a satisfactory thesis upon some legal topic. The topic must be approved by a member of the Faculty before December 1 and the thesis must be presented on or before May 15 of the year in which the student expects to graduate; it must be printed or typewritten, and becomes the property of the School. The work should be begun not later than October.

Editorial Work.—To edit and digest for the profession the opinion and record of a decided case is of great value in cultivating the skill required in preparing briefs and analyzing precedents. Each year not more than seven second and third-year men of known ability are appointed Associate Editors of the Illinois Law Review, to digest manuscript decisions of the Appellate Court.

In 1908-1909, the Associate Editors were Mr. Barnes, Mr. Dean, Mr. Liessman, and Mr. Lindsay.

Legal Writing And Forensics

A graded course of training in oral argument and debate is given through three years; the work of the first two years being required for graduation. It furnishes valuable preparation for the function of a lawyer as a persuasive adviser and leader of men.

First Year

Ia. Voice Training.—October and later; exercises in sections of twelve or fifteen, once a week.

Ib. Argumentation and Briefs.—November to April inclusive; once a week; lectures on Argumentation, accompanied by individual exercises in Oral Forensics and Brief-writing, subject to private correction and public criticism by the Instructor in Forensics.

For work done in courses Ia and Ib, combined, a credit of *one semester hour* is given.

Second Year

IIa. Moot Courts.—A moot court is held in the second year once a week from November 1 to May 1, at 1:45 p. m. The class is divided into two sections, A and B, meeting on alternate weeks. The work consists of the preparation and delivery of arguments and opinions of law on statements of facts assigned beforehand, and is in charge of the Instructor in Forensics, with the assistance of the other members of the Faculty.

No student is recommended for a degree, except by unanimous vote of the Faculty, who has not satisfactorily done the work of this course; but students entering the third-year class from another school may by vote of the Faculty be excused from this course. Credit, *one semester hour.*

IIb. Public Debate.—Students selected in April at the preliminary contest to compete in the second preliminary for the Towle Prizes for Public Speaking, and taking part therein, receive one semester hour of credit. Students who have not taken Ia and Ib, or the equivalent in another school, are not eligible.

Third Year

IIIa. Legal Advice Clubs.—Third year students may form Legal Advice Clubs, by voluntary selection on or before October 10, supplemented by assignments to vacancies by the Secretary of the School. Each club contains not less than four nor more than six members, and elects a Secretary. Difficult cases arising in actual practice, sent in for advice by alumni or other practitioners, are submitted to the Clubs in rotation as the cases come in. A written opinion, citing authorities, is handed to the professor specially in charge. A credit of *one semester hour* may be allowed each member of a club.

IIIb. Legal Aid Society.—After October 1 not more than ten students are assigned as assistants in the Chicago Legal Aid Society, University Branch, for practical office and trial work. No student having grade C in more than one course is eligible for assignment. The hours of work are determined by agreement with the Superintendent of the Society. In 1908-1909, each student attorney gave one or two half-days a week to the work of this Society.

Practical Problems in Contemporary Legislation

This course is open to students of the third year class who have attained an average grade of B for the first two years. The members of the class meet informally, from time to time, with the instructor to whom the section has been assigned, for discussion and criticism. The student selects his own topic for research and pursues his work independently. He makes a written report, containing an outline of his reading and other study, and his conclusions.

GENERAL STATEMENTS

PRIZES, HONORS, AND SCHOLARSHIPS

Scholarships for Students.—Twelve students are appointed annually as assistant librarians and monitors. These receive one hundred twenty-five dollars each in compensation for their services. Applications for appointments should be addressed to the Secretary of the School.

The Towle Prizes.—A first prize of $100, and a second prize of $50, the gift of Henry Sargent Towle, Esquire, Chairman of the Law School Committee of the Board of Trustees, will be awarded to the students who shall, in public competition, be adjudged most proficient in debate. For the award in 1907-1908, see page 352.

The Follansbee Prize.—A prize of $50, the gift of Mitchell Davis Follansbee, Esq., will be awarded to the writer of the best thesis on same subject relating to Legal Ethics. For the award in 1907-1908 see page 352.

The Hyde Prize.—The interest on a fund of $700, the gift of Charles Cheney Hyde, Esq., is awarded not oftener than once in two years to the writer of the best thesis on some subject relating to International Law.

The MacChesney Prizes.—As a first prize, a framed etched or engraved portrait of one of the American or English jurists named on page 196, selected by the prize-winner, and as a second prize, the complete works of one of the American or English legal authors named on page 203, selected by the prize-winner, the gift of Nathan William MacChesney, Esq., will be awarded to those members of the second or third year classes who shall submit before June 1 the best essay on some topic connected with the subjects of Courses B, BA, BB, and C, in the Courses of Reading on Legal History, Biography, and Jurisprudence. The prizes will be awarded by a committee consisting of the Dean of the School, the Editor-in-Chief of the Illinois Law Review, and a third person to be selected by them. The successful papers will be published in the Illinois Law Review.

The Callaghan Prize.—A prize of $50 in books, to be selected from their own publications, the gift of Messrs. Callaghan and Company, of Chicago, is awarded annually to the member of the graduating

class having the best record in scholarship for the entire course. For the award in 1907-1908 see page 352.

The Gage Prize in Debate.—Students of the Law School may compete for the Gage Prize as described on page 351.

Oratorical Contest of the Northern Oratorical League.—Students of the Law School who have completed not more than four years of undergraduate study are eligible to compete for appointment as representatives of the University in the contest of the Northern Oratorical League. For further information see page 137.

REQUIREMENTS FOR DEGREES

All degrees are conferred at the University Commencement. Candidates for degrees are required to present themselves in person. The Oxford cap and gown are worn as the official dress.

Bachelor of Laws

The degree of Bachelor of Laws is conferred upon students who are recommended therefor by the Faculty of the School. Such students will be recommended as in the judgment of the Faculty are of fit character and have complied with the following requirements:

Length of Attendance.—Regular attendance for three years is required of all students, with the following exceptions: (1) students having credit of one year in law, either from a college or a law school, in good standing, may obtain a degree in two years; (2) students having completed satisfactorily two years in a law school in good standing may obtain a degree in one year; (3) students having completed satisfactorily one year in a law school of good standing, and having credit for one year in law from a college in good standing, may become candidates for a degree in one year, by special permission of the Dean.

Applications for advanced standing must be presented before November 1 of the year of entrance.

Candidates for a degree must register for courses amounting to at least ten hours a week for each year.

Course of Study.—Candidates for a degree must obtain credit in courses amounting to sixty-six semester hours, including at least ten hours of credit obtained in each semester of the third year.

Persons who have satisfactorily completed a two-year course of study in a law school in good standing may be given credit for this work, but in no case to exceed one-half of the amount above required.

Persons who have satisfactorily completed less than two years study of law in a college or law school in good standing may be given credit for this work to an amount to be determined in each case by

the Dean. The subjects on which this credit is applied will be determined by the Secretary at the time of admission.

Grades of Scholarship.—Four grades are given: A, excellent; B, satisfactory; C, unsatisfactory; D, failure. A candidate may offer for a degree courses with grade C for only one-sixth the amount of credits required to be obtained by him in this School, except that he may also offer courses with grade C to the extent to which he has other courses with grade A.

Specific Courses Required.—In reckoning the sixty-six semester hours above mentioned, no specific courses need be included, except as follows: (1) The candidate must obtain an average grade of not less than C in the prescribed courses of Reading in Legal History, Biography, and Jurisprudence, namely, A, B, and C1 or C2 or C3 or C4. A student entering with advanced standing may be excused from Course A; and a student who, in a college or law school, has already obtained credit for work equivalent to Course C1, C2, C3, or C4, accredited in this School, may be excused from Course C. (2) The three-year course in Forensic Writing and Speaking must be completed. A student entering with advanced standing who has not taken equivalent work elsewhere is subject to the remaining requirements applicable to the class he enters, except that a candidate for a degree in one year may be exempted from specified parts of the work, or may be required to take the second-year work.

Promotions.—(1) A regular student of the first-year class, not at the time a candidate for the degree of A.B. or B.S. in the College of Liberal Arts, who obtains less than sixteen hours of credit in this year, is permitted to enter the second-year class, as candidate for a degree in two additional years, only on condition that he obtain no mark lower than B in the examinations at the end of the first semester of the second year and shall obtain by the end of that year a total of forty hours of credit. (2) A regular student of the second-year class who obtains less than forty hours of credit in all the work of the first two years will be permitted to enter the third-year class, as candidate for a degree in one more year, on condition only that he obtain by the end of the first term of that year a total of fifty-two hours of credit. (3) In estimating the above credits, the usual rule for counting marks of A and C shall apply. (4) When in any case the conditions above mentioned are not fulfilled, the student may continue in the School as a candidate for a degree in not less than four years from the time of beginning. (5) The foregoing rules shall be applied by the Dean and the Secretary, and each case of such conditional admission shall be reported to the Faculty. But in any case, on petition, the Faculty, by vote, may authorize an exception from the rule or may allow the continuance in regular standing of a student who has not fulfilled a condition imposed under these rules.

Master of Laws

Candidates for the degree of Master of Laws will be required to meet the following conditions: (1) Must have obtained the degree of Bachelor of Laws in this University, or in some university or college having equal requirements. (2) Must complete, in addition, one year of residence in this School, during which time credit must be obtained in not less than from fifteen semester hours in third-year courses not previously counted toward the Bachelor's degree. (3) Must complete an exhaustive study of some topic of local law, and to pass an examination thereon, and present a paper embodying the results, of such character as to be suitable for publication in the ILLINOIS LAW REVIEW.

Juris Doctor

The candidate for the degree of Juris Doctor will be required to meet the following conditions: (1) Must present a diploma of the degree of A.B., or of an equivalent degree, from the College of Liberal Arts of this University, or other college in which the requirements are substantially equivalent; or a certificate showing the completion of at least two years work in such a college, including at least one course each in Latin, French, and German; (2) Must have obtained the degree of Bachelor of Laws in this University, or in one whose requirements are substantially equivalent; (3) Must obtain credit in the courses of the fourth or graduate year to the amount of twenty semester hours, of which not more than ten are to be obtained in the lecture courses and not less than ten in the reading courses; but in the reading courses the work done in any of the courses may be given a credit not to exceed five hours, or in any two or any three of the courses a credit not to exceed seven hours, provided two members of the Faculty so certify.

Candidates must register on or before the first Monday in October of the year of candidacy; they must pay half the fees of a special student for the lecture courses, the library fee of alumni, and a diploma fee of twenty dollars.

Master of Arts or of Science

The Master's degree in Arts or Science will be conferred under the following conditions:

A graduate of the College of Liberal Arts of this University, or other college maintaining equivalent requirements for the Bachelor's degree in Arts or Science, may obtain the Master's degree at the same time with the degree of Bachelor of Laws by pursuing, with the sanction of the Faculty of Liberal Arts, advanced work in subjects approved by that Faculty, and obtaining credit to the amount of twelve semester hours; and by presenting a thesis on an approved topic. The courses

of study may, in part or entirely, deal with legal subjects; but courses of legal study, in order to count for the degree, must be of an advanced nature, must not otherwise be counted for the degree of Bachelor of Laws, and must be pursued under the direction of a member of the Faculty of the Law School. Students in law, intending to become candidates for the Master's degree, must register for the same degree in both the College of Liberal Arts and the Law School on or before the first Monday in October of the year in which they expect to graduate, and they must pay the diploma fee of ten dollars. The Master's degree is open, upon the same terms, to graduates of the Law School who register before the October next following the completion of their professional course.

The following subjects have been approved by the Faculty of the College of Liberal Arts as counting for the Master's degree: Constitutional Law, International Law, Administrative Law, Roman Law, Jurisprudence, Legal History.

FEES AND EXPENSES

These rates of tuition apply only to students registered after June 1, 1907.

Tuition Fee.—The tuition fee for regular students is one hundred twenty-five dollars a year, payable forty-five dollars October 1, forty dollars January 10, and forty dollars March 31. A rebate of five dollars is allowed to students who pay the entire fee in advance on October 1.

Matriculation Fee.—In addition to the tuition fee, in all cases a matriculation fee of five dollars is charged, payable once only, upon entering the University.

Special Course Fees.—Special students are charged at the rate of six dollars for each hour of class room work for a semester; candidates for the degree of Juris Doctor are charged three dollars for each hour of class room work for a semester and a library fee of one dollar a year. The fee for the course in Patent Law is twenty-five dollars. The fee for the General Review Course is ten dollars to members or graduates of the School, to others, fifteen dollars.

Diploma Fee.—A fee of ten dollars is charged all persons taking the degree of Bachelor of Laws; a fee of twenty dollars is charged all persons taking the degree of Juris Doctor.

For further information relating to the Law School, address the Secretary of the Law School, Northwestern University Building, Lake and Dearborn Streets, Chicago, Illinois.

College of Engineering

THE COLLEGE OF ENGINEERING

Several years ago, in response to an insistent demand, Northwestern University introduced in the College of Liberal Arts courses in engineering subjects. These courses have together been equivalent to two years of technical work. The graduate of the College who completed them has been prepared to earn the degree of an engineering school in two years.

A gift for the erection of an engineering building at Evanston and for its endowment led the Trustees of the University to take action in June, 1907, resulting in the establishment of a College of Engineering. This gift came from Mrs. Gustavus F. Swift and her son, Mr. Edward F. Swift. The building was completed in the winter of 1908-1909.

Recitations are given in the other buildings also on the campus. These include Fayerweather Hall of Science, University Hall, Fisk Hall, Old College, and the Orrington Lunt Library. A description of these buildings, the gymnasium, the dormitories, Music Hall, Annie May Swift Hall of Oratory, and Dearborn Observatory, in all of which the College of Engineering shares, are given on pages 41 to 44.

Northwestern University was built up on the model of the eastern college and it has maintained this character throughout its history. It has broadened its courses, and has liberalized its rules, but it continues to cultivate the humanities with jealous care. In keeping with these ideals, the course in Engineering introduces an unusual number of those non-technical studies that serve to develop general education and to cultivate the thinking power of the student. Unusual stress is laid upon mathematics, physics, and other sciences fundamental to engineering; to shop work and to practical work is given as much attention as is consistent with the purpose of this School. This plan has been adopted because there appears to be increasing need for instruction of this character. On the other hand, there are already many well equipped schools of engineering giving the primary attention to practical training as opposed to this more general training; there is little need for a new school of the old kind. It is the belief of the University that a school of the kind proposed will result in the preparation of engineers of the highest type.

BOARD OF ORGANIZATION

Abram Winegardner Harris, Sc.D., LL.D.....*President*
John Fillmore Hayford, C.E.....*Director Elect*

Edward Foster Swift.....*Member Board of Trustees*
James A. Patten.....*Member Board of Trustees*
William Andrew Dyche, A.M.....*Business Manager*
Leland Wesley Irish, B.E....*Assistant Professor of Civil Engineering*
Olin Hanson Basquin, Ph.D.....*Associate Professor of Physics, College of Liberal Arts*
J. Scott Clark, Litt.D.....*Professor of English Language, College of Liberal Arts*
Henry Crew, Ph.D.....*Professor of Physics, College of Liberal Arts*
David Raymond Curtis, Ph.D....*Associate Professor of Mathematics College of Liberal Arts*
Ulysses Sherman Grant, Ph.D.....*Professor of Geology, College of Liberal Arts*
Thomas Franklin Holgate, Ph.D., LL.D.....*Dean of the College of Liberal Arts*
John Harper Long, M.S., Sc.D.....*Professor of Chemistry, Medical School*
Robert Richardson Tatnall, Ph.D....*Assistant Professor of Physics, College of Liberal Arts*
Abram Van Epps Young, Ph.B.....*Professor of Chemistry, College of Liberal Arts*

ADMISSION AND INSTRUCTION

The requirements for admission to the College of Engineering are identical with those of the College of Liberal Arts, published on pages 65 to 72. Particular attention should be paid in preparation to mathematics and English composition. The requirements for graduation in the College of Engineering are more easily met if the student presents for admission two units of French and two units of German as his requirements in foreign language. Admission to the College of Engineering may be by certificate or by examination. Graduates of high schools of approved standing should obtain certificates of work done showing the ground covered and the grade received in each study. These certificates should be sent to the Registrar at least one week before the opening of the fall semester. Certificate blanks may be had on request. Candidates who cannot present satisfactory certificates may be admitted on examination. Examinations for this purpose will be held at Evanston on September 27 and 28, 1909. College entrance examinations are given in the spring by the College Entrance Examination Board at various places in the United States, and their findings will also satisfy the entrance requirements.

Advanced Standing

Students from other colleges will be given credit for work done, as may be determined by the Faculty.

SCHEDULE OF STUDY

The course of study is shown in the following schedule. The first three years are offered in the scholastic year 1908-1909; the complete schedule of five years will be ready for registration in the following year.

First Year

ENGLISH LANGUAGE A.—This course gives a practical drill in the elements of good composition, and many essays are required throughout the year. *Three hours.*

FRENCH A OR GERMAN A.—Adequate preparation for this course requires two entrance units of the same language. *Three hours.*

Chemistry A.—An elementary course in general Chemistry consisting of recitations and laboratory work. *Four hours.*

Mathematics A3.—First semester.—Algebra and plane trigonometry. Second semester.—Analytical geometry, plane and solid. *Five hours.*

Mechanical Drawing and Shop Work.—One three-hour period each week is spent upon each of these subjects. *Two hours.*

Summer Work.—Each student is expected to secure some continuous employment, during at least six weeks of the long vacation, in approved work in drawing room, shop, or testing laboratory.

Second Year

German A or French A.—Adequate preparation for this course requires two entrance units of the same language. *Three hours.*

Physics A.—A course in general Physics, consisting of experimental lectures, recitations, and laboratory work. *Four hours.*

Mathematics B1.—A course in Differential and Integral Calculus. *Three hours.*

Surveying.—A course in the general theory of Surveying and surveying instruments, together with as much Astronomy as is needed for that work. *Three hours.*

Descriptive Geometry, Kinematics, Machine Design, and Graphical Statics.—This work consists of lectures, recitations, and drawing, taking up three afternoons a week. *Three hours.*

Shop Work.—One afternoon. *One hour.*

Summer Work.—Six weeks surveying practice in field work and office work under the direction of the instructor.

Third Year

Chemistry B.—Lectures, recitations, and laboratory work. First semester.—Qualitative Analysis. Second semester.—Organic Chemistry. *Four hours.*

Geology A1.—A course in general Geology and in the Physiography of the lands. *Four hours.*

Mathematics C1.—A course in Advanced Calculus and Differential Equations. *Three hours.*

Physics B.—Principles of Mechanics; recitations and laboratory work; a large number of problems in which the student is expected to become proficient. *Three hours.*

Physics C.—A course in electricity and magnetism, consisting of recitations and laboratory work. This course serves as a natural introduction to all advanced work in Electrical Engineering. *Three hours.*

Approved Summer Work.

Fourth Year

Economics, English Literature A, Mineralogy, Metallurgy of Iron and Steel; Strength of Materials; Thermodynamics and Heat Engines; Electrical Engineering, Direct Currant Circuit and Machinery; Approved Summer Work.

Lectures

Special lectures upon subjects of interest to engineers and engineering students are provided throughout the year.

GENERAL STATEMENTS

REGISTRATION

For general regulations and for regulations affecting registration, see page 132. The schedule of study in the College of Engineering requires a registration of seventeen hours a week, during five years, and approved summer work for six weeks in each of four summers.

DEGREES

The work of the first four years shown in the schedule of the College of Engineering includes the requirements for the degree of Bachelor of Science, which is given upon the satisfactory completion of the fourth year. Upon the satisfactory completion of the entire Engineering schedule a bachelor's degree in Engineering will be conferred. The conditions upon which professional degrees in Engineering are to be awarded will be announced later.

SCHOLARSHIPS AND FELLOWSHIPS

For information in regard to scholarships and fellowships see page 129.

ATHLETICS

Students in the College of Engineering will share with those of the College of Liberal Arts in all athletic privileges.

FEES AND EXPENSES

A matriculation fee of $5.00 is payable by each student upon entering the University. The annual tuition fee for students in the Engineering School for the year 1908-1909 is $100. In laboratory courses, fees are charged to cover the expenses of material and power used.

For a list of fees see pages 138 and 139. A fee of $10.00 is charged each person taking a degree. A special fee of $30.00 is charged for summer instruction and for the use of instruments in the field course in surveying.

Room and Board

Students of the University find suitable rooms for residence in private homes near the University campus. Board may be obtained in private families, in student clubs, and at restaurants. A considerable proportion of the students are members of fraternities, each chapter of which rents or owns a house for its exclusive use.

Self Support

Evanston offers many opportunities for young men to obtain employment of various kinds. Persons desiring such employment will do well to communicate with the Secretary of the College Young Men's Christian Association.

Inquiries for further information in regard to the College of Engineering may be addressed to College of Engineering, Northwestern University, Evanston, Illinois.

THE SCHOOL OF PHARMACY

THE SCHOOL OF PHARMACY

This school was incorporated in 1886 as the Illinois College of Pharmacy, and became a department of the University the same year. In 1891 the name was changed to The School of Pharmacy of Northwestern University. It is a member of the American Conference of Pharmaceutical Faculties and its graduates are recognized in all states in which graduation from a school of pharmacy is necessary to obtain license to practice.

The School's work is carried on in the University Building, Lake and Dearborn Streets, Chicago. The rooms occupied include six large laboratories, two lecture rooms, two balance rooms, library, museum, and three rooms for students, all newly furnished. The laboratories are: the laboratory for inorganic chemistry, with accommodations for three classes of seventy students each; the laboratory for botany, microscopy, and pharmacognosy, with accommodations for six sections of forty-eight students each; the manufacturing laboratory, with accommodations for four sections of seventy students each; the laboratory for organic chemistry, with accommodations for four sections of twenty-eight students each; and the dispensing laboratory, with accomodations for six sections of thirty-six students each. Courses in bacteriology are given in the bacteriological laboratory on the fifth floor.

All the members of the faculty have had extended practical experience in pharmacy. They devote their whole time to their work in this School. Especial attention is given to laboratory practice in the manufacture, testing, and valuation of preparations and in the work of dispensing.

Applications made to this school for alumni to fill desirable positions have, for many years, exceeded the supply.

The occupations open to graduates of efficient pharmaceutical schools include not only the customary practice of modern technical pharmacy, but similar employment in the service of the national, state, and municipal governments, in connection with food, drugs, and sanitation.

The course for the degree of Pharmaceutical Chemist comprises preparation of the most thorough kind, both for the practice of pharmacy and for the expert services required of inspectors of food and drugs under the laws, and for similar service in manufacturing and wholesale establishments.

THE FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D.....*President*
OSCAR OLDBERG, Pharm.D.....*Dean*
THOMAS VICTOR WOOTEN, Ph.G.....*Administrative Officer*

OSCAR OLDBERG, Pharm.D.....*Professor of Pharmacy*
WILLIAM EDWARD QUINE, M.D.....*Professor Emeritus of Physiology, Therapeutics, and Toxicology*
HARRY MANN GORDIN, Ph.D.....*Professor of Chemistry*
MAURICE ASHBEL MINER, Pharm.M..*Assistant Professor of Pharmacy; Curator*
CHARLES WAGGENER PATTERSON, B.S., Ph.C....*Assistant Professor of Analytical Pharmaceutical Chemistry*
HARRY KAHN, Pharm.M., M.D.....*Assistant Professor of Physiology and Materia Medica*
EUGENE SHAW WILLARD, D.D.S...*Assistant Professor of Bacteriology*
GERHARD H. JENSEN, Ph.D..*Instructor in Botany and Pharmacognosy*
WILLIAM HENRY HARRISON, Ph.C.....*Instructor in Chemistry*
JOHN FERDINAND FISCHNAR, Ph.C.....*Instructor in Pharmacy*
JAMES LEWIS CLAY, Ph.C.....*Assistant in Chemistry*

Executive Committee

WILLIAM ANDREW DYCHE, A.M., Ph.G....518 *Davis Street, Evanston*
WILHELM BODEMANN.....*Lake Avenue and Fiftieth Street, Chicago*
HENRY SHERMAN MAYNARD.....*Glen View*
THEODORE HENRY PATTERSON, M.D...3640 *Cottage Grove Ave., Chicago*
CHARLES HAMILTON AVERY.....305 *East Fifty-fifth Street, Chicago*

ADMISSION AND INSTRUCTION

Candidates for the degree of Graduate in Pharmacy must present evidence of having satisfactorily completed one full year of work in a properly accredited high school, or its equivalent, and must be at least seventeen years of age.

Candidates for the degree of Pharmaceutical Chemist must have completed two years work in a high school of accepted grade or must possess an equivalent general education.

Candidates for the degree of Master of Pharmacy must fulfill the requirements for admission to the College of Liberal Arts. See Requirements for Degrees.

Special students not candidates for graduation may be admitted by special action of the Faculty.

Advanced Credits

A student presenting proper evidence of having satisfactorily completed in an approved school courses of study or laboratory work included in the curriculum of this School may receive such credit therefor as is consistent with the prescribed requirements.

Students of pharmacy who have completed the first year of work in a school of pharmacy in good standing may, at the discretion of the Faculty, be admitted to the senior class in the course for the degree of Graduate in Pharmacy, but no student will be graduated who has not been in regular attendance at this School for one full school year.

COURSES OF STUDY

For the Degree of Graduate in Pharmacy

PHARMACY.—Materials, methods, and products of pharmacy; pharmacy laws; the pharmacopœia; pharmaceutical nomenclature; applied pharmaceutical chemistry; the prescription and the art of dispensing; lectures, text, and laboratory work.

METROLOGY.—Principles; the metric system; weighing and measuring; specific weight; determinations of mass and volume and their relations; study of the instruments employed.

MICROSCOPY.—Construction and use of the microscope.

Botany.—Histology, organography, and taxonomy; lectures and laboratory work.

Pharmacography.—The study of drugs and of plant substances employed in the industrial arts; lectures and laboratory work.

Inorganic Chemistry.—General, theoretical, and descriptive; lectures, texts, and laboratory work.

Analytical Chemistry.—Lectures, text, and laboratory work in qualitative and quantitative analysis.

Organic Chemistry.—Lectures, text, and laboratory work.

Manufacturing.—General principles; materials and products; methods; lectures and laboratory work.

Human Anatomy and Physiology.—Lectures and text.

Materia Medica, Therapeutics, and Toxicology.—Lectures and text.

For the Degree of Pharmaceutical Chemist

Courses for the degree of Graduate in Pharmacy and, in addition thereto,

Anlytical Chemistry.—Laboratory work in plant and drug analysis, sanitary food and water analysis, valuation of digestive preparations, examinations of fats, oils, soaps.

Urine Analysis.—Laboratory work.

Organic Chemistry.—Lectures and text, including a special course on alkaloids, glucosides, synthetics.

GENERAL STATEMENTS

PARTIAL COURSES

The didactic and laboratory courses given in the School may be taken at proportional fees, with full credit for work satisfactorily done. No student will be received into the school for less than one semester.

LIBRARY AND MUSEUM

The Library includes complete sets of the Archiv der Pharmacie, the Proceedings of the American Pharmaceutical Association, and the British Pharmaceutical Journal; the Centralblatt from 1870, and Berichte der Chemischen Gesellschaft from 1868; complete from 1893, the Berichte der Pharmaceutischen Gesellschaft; Zeitschrift für Analytische Chemie, the Journal of the London Chemical Society, the Archiv für Hygiene, Neuste Erfindungen und Erfahrungen, Pharmaceutische Centralhalle, Repertoire de Pharmacie; the pharmacopoeias of the world, the dispensatories and commentaries on the pharmacopoeias; dictionaries and encyclopaedias, general and special; pharma-

ceutical and technical formularies; the most valuable reference works upon chemistry, pharmacy, and other related subjects; all of the American pharmaceutical journals.

The museum contains more than two thousand specimens of drugs and other plant substances of industrial importance. In the various laboratories there are valuable collections of chemicals, drugs, and sick-room requisites, besides pharmaceutical preparations of proven excellence.

REQUIREMENTS FOR DEGREES

The courses for the degree of Graduate in Pharmacy may be completed in two years of twenty-five weeks each, beginning in September and ending in April or, if the student is obliged to spend any considerable portion of his time in store or other outside work, the work of each week may be reduced and the year extended from September to June. The courses for the degree of Pharmacutical Chemist occupy two full years of nine months each.

The degree of Master in Pharmacy requires three full years of work in the College of Liberal Arts and two years of work in the School of Pharmacy. Students having completed the work of three years of the course leading to a Bachelor's degree in the College of Liberal Arts, including all required subjects and the work for a major and a minor, may obtain the degree of Bachelor of Science upon the completion of the work of one year in the School of Pharmacy, and the degree of Master of Pharmacy upon the completion of all of the work for the degree of Pharmaceutical Chemist.

FEES AND EXPENSES

Matriculation Fee.—A matriculation fee of five dollars is paid by the student on his first admission to the School. This fee is paid but once and is not returnable.

Tuition Fee.—For the course leading to the degree of Graduate in Pharmacy, the tuition fee is one hundred dollars a year. For the course leading to the degree of Pharmaceutical Chemist, the tuition fee is one hundred forty dollars a year. The tuition fee covers instruction and the cost of materials used in the laboratories. It is payable half-yearly in advance.

Breakage Deposit.—Each student makes a deposit of ten dollars a year to cover wear and tear of equipment, amounting to about two dollars, and the breakage of apparatus in his care. The unused portion is refunded at the end of the year.

Graduation Fee.—A fee of ten dollars is paid by all persons receiving a degree or diploma.

Board and Rooms

Board and rooms can be secured near the School at from four dollars to six dollars a week. Students may also secure rooms and board separately. Information in regard to these matters and addresses of satisfactory private boarding places will be supplied at the College. Good accommodations are plentiful, and satisfactory arrangements can be quickly made by the student immediately upon his arrival. It is unnecessary and rarely advantageous to secure board and room in advance.

The Young Men's Christian Association of Chicago has an office in the Northwestern University Building. The Association assists students in securing desirable boarding-places, and the Secretary is ready to furnish information in regard to the work of the Association, and to render assistance to new students.

For further information address the Administrative Officer of the School of Pharmacy, Northwestern University Building, Lake and Dearborn Streets, Chicago, Illinois.

THE DENTAL SCHOOL

THE DENTAL SCHOOL

The Dental School was founded and is maintained for the purpose of preparing young men and women in the most thorough manner for the practice of dentistry, and for the promotion of dental science and dental literature. No expense has been spared in its equipment and in the employment of an adequate faculty of skilled teachers, and a large force of demonstrators and assistants.

The Dental School was organized in 1887 and three years later became a department of the University. In 1896 it absorbed the American College of Dental Surgery and for some years occupied the building on Franklin and Madison Streets, Chicago, formerly occupied by that school. It is now located in Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago.

It occupies the upper three floors of the building and has over 60,000 square feet of floor space, supplied with modern equipment.

The Clinic Room is sufficient in extent to accommodate the great clinic and the offices connected with it, is of the best design and construction, consisting of a single room with arched ceiling. It is on the sixth floor, with free light on two sides and abundant skylight. It may be reached by elevators from the principal entrance on Lake Street, and from a smaller entrance on Dearborn Street. Adjoining the Operative Clinic is the Prosthetic Clinic, and on the same floor is the senior Prosthetic laboratory for crown and bridge work; the recently added laboratory for porcelain and cast metal inlay work; an impression room; two rooms and waiting room for extracting. The system of lecture rooms, three in number, is arranged on the amphitheater plan. Each accommodates 225 students. Two are for the ordinary class lecture work, and one for the Oral Surgery clinic. This latter has a waiting-room for surgical patients, a room for diagnosis and the preparation of patients, and a recovery room with sufficient beds for the temporary care of patients. Other rooms are the Anatomical laboratory, which is placed well apart, the first year and the second year Prosthetic laboratories, the Operative Technic laboratory, the first year and the second year Chemical laboratories, the laboratory for Histology and Bacteriology, the photographic laboratory, the museum, the reading room and the library.

The location of the school is especially advantageous in obtaining the great clinic so needful in a dental school.

THE FACULTY

Abram Winegardner Harris, Sc.D., LL.D.....*President*
Greene Vardiman Black, M.D., D.D.S., Sc.D., LL.D....*Professor of Operative Dentistry, Pathology, and Bacteriology, Dean*
Charles Rudolph Edward Koch, D.D.S..... ....*Lecturer on Dental Economics; Secretary*

Thomas Lewis Gilmer, M.D., D.D.S.....*Professor of Oral Surgery*
Elgin MaWhinney, D.D.S.....*Professor of Special Pathology, Materia Medica, and Therapeutics*
Edmund Noyes, D.D.S..*Professor of Dental Jurisprudence and Ethics*
James Harrison Prothero, D.D.S.....*Professor of Prosthetic Technics, Prosthetic Dentistry, and Metallography*
Frederick Bogue Noyes, A.B., D.D.S.....*Professor of Histology*
Twing Brooks Wiggin, M.D..*Professor of Physiology and Pathology*
George Amos Dorsey, Ph.D.....*Professor of Comparative Anatomy*
Charles Louis Mix, A.M., M.D.....*Professor of Anatomy*
Ira Benson Sellery, D.D.S.....*Professor of Orthodontia*
Harry Mann Gordin, Ph.D.....*Professor of Chemistry*
Arthur Davenport Black, B.S., M.D., D.D.S.....*Assistant Professor of Operative Dentistry, and Assistant in Oral Surgery*
Eugene Shaw Willard, D.D.S.....*Assistant Professor of Operative Dentistry and Bacteriology*
Fred William Gethro, D.D.S.....*Assistant Professor of Operative Dentistry and Dental Anatomy*
Harry Isaac Van Tuyl, B.S., M.D., D.D.S.....*Assistant Professor of Anatomy*
Herbert Anthony Potts, M.D., D.D.S.....*Lecturer on Anaesthesia, and Assistant in Oral Surgery*

Instructors

Charles Reeder Baker, D.D.S.....*Clinical Instructor in Orthodontia*
James William Birkland, D.D.S.....*Clinical Instructor in Operative Dentistry*
Andrew Vachel Louderback, M.S., D.D.S.....*Instructor in Histology and Bacteriology*
George Buchanan Macfarlane, D.D.S.....*Clinical Instructor in Operative Dentistry*

HUSTON FRENCH METHVEN, D.D.S...*Instructor in Prosthetic Dentistry*
GEORGE C. POUNDSTONE, D.D.S.....*Assistant in Materia Medica and Therapeutics*
BENJAMIN WALDBERG, D.D.S....*Superintendent Prosthetic Laboratory*

Demonstrators

LLOYD LEWIS BAKER, D.D.S.....*Demonstrator in Operative Dentistry*
HILLIS TALLEY BROWN, D.D.S.....*Demonstrator in Anatomy*
CHAUNCEY W. COURTRIGHT, M.D.....*Demonstrator in Anatomy*
ERNEST LUCIEN DUNN, D.D.S.....*Demonstrator in Charge of the Examining Room*
MORRIS GROSSMAN, D.D.S.....*Demonstrator in Dental Anatomy and Operative Technics*
CHESTER WILL HOOVER, D.D.S....*Demonstrator in Operative Dentistry*
FRANK BURTON HUDSON, B.S.....*Assistant in Chemistry*
LLOYD CHESTER MASON, D.D.S....*Demonstrator in Prosthetic Dentistry*
GEORGE ROBERT PUFFER, D.D.S....*Demonstrator in Operative Dentistry*
JOSEPH BLIVEN RICE, D.D.S.....*Demonstrator in Operative Dentistry*
CLAYTON FRANK BLOOMFIELD STOWELL, D.D.S.....*Demonstrator in Extracting*
HARRY NATHAN WEIL, M.D.....*Demonstrator in Anatomy*

ADMISSION AND INSTRUCTION

The candidate may be admitted to the Dental School upon presenting a diploma or equivalent certificate from an accredited high school or kindred educational institution, or upon passing a satisfactory examination. The diploma must be signed by a superintendent of schools, or the principal of a high school, or other responsible school officer. A certificate showing that a candidate has been graduated from an accredited high school, or from a school giving an equivalent course, signed by a city or county superintendent of schools, or by a state superintendent of public instruction, will be accepted as the equivalent of a diploma. A candidate who does not present a diploma or certificate must take an examination before a state superintendent of public instruction, or his deputy, and bring a report showing that the candidate has a preliminary education equivalent to that to be obtained in an accredited high school.

Persons not having these credentials will be admitted upon examination and approval of the State Superintendent of Public Instruction or his deputy.

This School will receive no student who is not present within ten days after the opening day of the session in each year, or in case of necessary delay, by reason of illness properly certified by the attending physician, within twenty days after the opening day.

Students registering agree thereby to accept the discipline imposed by the Faculty.

It is desirable that students should register early, since the order of assignment of seats in the lecture halls is based upon the order of time of registration.

Admission to Advanced Standing

Students from high schools and colleges, wishing credit for courses parallel to courses required in this School, should bring credentials showing specifically the time spent on these subjects and should present their note books of work done.

Students who present certificates from other recognized dental schools covering subjects required in this School will be credited with such studies if the credentials are satisfactory to the Dean and to the professors in the respective departments, but when admitted to the third year the candidate must do one full year's work in this School. Graduates in medicine are credited with one year of time.

COURSE FOR THE DEGREE OF DOCTOR OF DENTAL SURGERY

The course covers three years. The year begins on the first Tuesday in October and closes on Commencement Day of the University in June. There are thirty-two weeks of actual instruction given, six days in each week.

Students for the regular course can be received only during the first ten days of the first semester. Students desiring to pursue special studies may be received at any time.

For regular students who desire to extend their studies four or more years, a special arrangement of studies will be provided.

Methods of Instruction

The studies of the course are grouped by departments, the work of each department is graded from the more general and fundamental subjects to the more specialized and advanced.

The work in the departments is planned with reference to that of other departments, and the greatest care is taken that the whole shall be so correlated that the student in taking up a new subject will find himself prepared by work done in other departments.

DEPARTMENTS OF INSTRUCTION

Schedule of Courses

Students are expected to take the courses in the order enumerated, but some deviation from this rule may be allowed in cases approved by the Faculty.

Each of the departments is presented under the headings as given in the table below, separately and completely, and in alphabetical order, and courses are described fully in the order of the letters.

Subjects	First Year	Second Year	Third Year
Anaesthesia			
See Oral Surgery			
Anatomy	a,b,c,d	e,f,g	
Anatomy, Dental			
See Operative Dentistry			
Bacteriology			
See Operative Dentistry			
Chemistry	a,b,c,d	e,f,g,h	
Comparative Anatomy		a	
Ethics, Jurisprudence, and Dental Economics			a,b
Histology	a,b,c	d,e,f,g	
Materia Medica and Therapeutics		a,b,c	
Operative Dentistry			k,l,m,n,o,p
Operative Technics	c,d,e,f,g,h	i,j	
Dental Anatomy	a,b		
Bacteriology			q,r
Oral Surgery			a,b,c,d,e,f
Anæsthesia			g,h,i
Orthodontia			a,b,c
Pathology, General		a,b	
Pathology and Therapeutics, Special			a,b,c,d,e
Physiology	a,b,c,d	e,f	
Prosthetic Dentistry			
Prosthetic Technics	a,b,c,d,e	f,g,h,i	j,k,l

Anatomy

PROFESSOR MIX, PROFESSOR VAN TUYL, DR. BROWN, AND ASSISTANTS

The equipment of the department of anatomy is new and very complete. The large Anatomical Laboratory, located on the top floor of the building, is well lighted on the east and south by numerous windows, and in the center of the room by a large skylight. The ventilation is perfect. The equipment includes thirty-six dissecting tables of the latest pattern, of metal with plate-glass tops. The floor is waterproof and has such drainage arrangements that it can be flooded with hose and kept clean and sweet. Skeletons are provided for the use of the students. On payment of a small deposit bones may be taken for home study.

First Year

a. VISCERAL ANATOMY, INTRODUCTORY COURSE.—First third of first semester. Two lectures and demonstrations a week. PROFESSOR MIX.

b. HUMAN DISSECTIONS.—One three-hour period a week. PROFESSOR MIX, PROFESSOR VAN TUYL, DR. BROWN, DR. WEIL, DR. COURTRIGHT, and assistants.

c. ANATOMY OF THE EXTREMITIES.—Two lectures a week. PROFESSOR MIX.

d. RECITATIONS ON LECTURES AND DISSECTIONS.—Two hours a week. PROFESSOR VAN TUYL and assistants.

Second Year

e. THE HEAD AND NECK.—Two lectures a week. PROFESSOR MIX.

f. HUMAN DISSECTIONS.—Two three-hour periods a week. PROFESSOR MIX, PROFESSOR VAN TUYL, DR. BROWN, DR. WEIL, DR. COURTRIGHT, and assistants.

g. RECITATIONS ON DISSECTIONS.—Two hours a week. PROFESSOR VAN TUYL.

Chemistry

PROFESSOR GORDIN, MR. HUDSON, AND ASSISTANTS

The Chemical Laboratories, exclusively for dental students, are large, well ventilated, and complete in every respect. One laboratory is devoted to the General Chemistry and Qualitative Analysis of the first year, another is arranged with special reference to the experimental teaching of Metallurgy and to other practical applications of chemistry of interest to dental students. In addition to the main laboratories, there are large dispensing rooms, a balance room well equipped with balances and apparatus for testing the physical properties of metals, amalgams, etc., and a room covered with a hood for carrying off the fumes, and equipped for alloying, assaying, and refining.

First Year

a. General and Inorganic Chemistry.—Lectures and recitations. First semester. Two hours a week. Professor Gordin.

b. Chemical Laboratory.—Illustrative experiments in General and Inorganic Chemistry. First semester. Six hours a week. Professor Gordin, Mr. Hudson, and assistants.

c. General and Inorganic Chemistry.—Lectures and recitations. Second semester. Two hours a week. Professor Gordin.

d. Laboratory.—The metals and their compounds. Qualitative chemical analysis of unknown mixtures, particularly bases and alloys. Second semester. Six hours a week. Professor Gordin, Mr. Hudson, and assistants.

Second Year

e. Organic Chemistry.—Lectures and quizzes. Two hours a week. Professor Gordin.

f. Laboratory.—Quantitative chemical analysis of dental alloys, etc. Refining of gold, silver, and other metals. Laboratory study of cements and other filling materials. Assay of dental alloys for gold, silver, tin, platinum. Practical problems of dental chemistry. First semester. Three hours a week. Professor Gordin, Mr. Hudson, and assistants.

g. Laboratory.—Illustrative experiments in Organic Chemistry. Analysis of saliva. Urine analysis. Second semester. Three hours a week. Professor Gordin, Mr. Hudson, and assistants.

Comparative Dental Anatomy

Professor Dorsey

It is the design of the department to give in a concise form a view of the animal kingdom and its classifications, especially of the vertebrates, the forms of teeth in relation to food habits, and as weapons of offense and defense; with a study of the extinct species of animals of the several classes, variations in tooth forms, illustrating development through the geological ages; the history of the changes from the simple forms to the complex forms now existing. The Museum of the Dental School is especially rich in skulls of the several orders of the animal kingdom, and furnishes illustrations for the study of all of the known tooth forms. The great collection of the Field Columbian Museum is available for illustration and study.

Second Year

a. Evolution.—The meaning of similarity of structure; natural selection; changes in organs; correlation of growth between parts; principles of heredity and of fixity of species; tooth forms; definitions

and descriptions of the varieties of forms; the typical mammalian dentition; classification of the animal kingdom, with concise descriptions of the typical characteristics of each. First semester. Two lectures a week. Professor Dorsey.

Professional Ethics, Dental Jurisprudence, and Economics

Professor Edmund Noyes and Dr. Koch

This work consists of a brief statement of the important principles of morals; an exposition of the special duties and moral obligations of professional men to their patients, their fellow practitioners, and the public, the more important contrasts between the proper ethical standard of the professions and those of business or manufacturing pursuits.

The lectures on Jurisprudence follow, in the main, the text-book by Dr. Rehfuss, and include qualification and duty of expert witnesses, the importance of dental records, the limitations of dental practice, the qualifications required and the liabilities incurred, the penalties that may be suffered, and the defense to be made in case of alleged malpractice; the laws respecting the practice of dentistry, the steps necessary to become legal practitioners, the duties and liabilities of dentists with reference to the law, etc.

Third Year

a. Ethics—Elementary principles of ethics; professional ethics; state laws relating to dentistry; Illinois dental law; dental jurisprudence; general review. First semester. One lecture a week. Professor Edmund Noyes.

b. Dental Economics.—This course was established in view of the increasing number of students without previous preceptorship in a dental office in order to provide a knowledge of the business side of dental practice. The work embraces practice building, methods of obtaining and retaining patients, business relations between the dentist and his patients, fees, accounts, records of operations, presentation and collection of accounts, methods of economy in the conduct of an office. Second semester. One lecture a week. Dr. Koch.

Histology

Professor Frederick B. Noyes, Dr. Louderback, and Assistants

The department is provided with a large laboratory, fitted with seventy-one hardwood desks, each furnished with reagents, lockers, a compound microscope with lenses and condensers, electric lights, and other conveniences for preparation of specimens and microscope study.

It is also provided with a stereopticon and projecting microscope for demonstration purposes. Adjoining this large laboratory, there is a professor's study, and preparation laboratory with a photographic room fully equipped with all necessary apparatus.

The laboratory classes are usually divided into sections of not more than fifty students. This work has been greatly aided by a large collection of lantern slides from photo-micrographs and framed photographic prints; and by a large histological museum containing sets of microscopic slides sufficient in number on any given subject for a full section of the class, illustrating not only all the ordinary soft tissues, but also the peridental membranes, dental pulp, periosteum, and ground sections of the teeth. These microscopic slides and sections, together with those stained and mounted by the students, are used by the classes for purposes of study.

First Year

a. Lecture Course.—The construction and use of the microscope. A study of cell structure and functions, of the elementary tissues, histology of the organs; circulatory, lymphatic, alimentary tract, and accessory glands, respiratory system, urinary organs, and skin. One lecture a week. Professor Frederick B. Noyes.

b. Laboratory Course.—A laboratory study of the subjects of the lecture course. One three-hour period a week. Professor Frederick B. Noyes, Dr. Louderback, and assistants.

c. Quizzes and Recitations.—One hour a week. Dr. Louderback.

Second Year

d. The Dental Tissues.—Enamel; the peridental membranes; periosteum; bone; mucous membranes and other soft tissues of the mouth. One and two-thirds semesters. One lecture a week. Professor Frederick B. Noyes.

e. Embryology.—A short course. One lecture a week. One-third of a semester. Professor Frederick B. Noyes.

f. Laboratory Course.—A laboratory study of the subjects of lecture courses d and e. One three-hour period a week. Professor Frederick B. Noyes, Dr. Louderback, and assistants.

g. Quizzes and Recitations.—One hour a week. Dr. Louderback.

Materia Medica and Therapeutics

Professor MaWhinney, Dr. Poundstone, and Assistants

Materia Medica is taught in a series of lectures, quizzes, and recitations, with demonstrations and experimental studies. There is also a laboratory study of the most useful methods of preparing drugs for medicinal purposes, with experimental studies of their therapeutic or toxic action. The course is richly illustrated throughout. Abundant

practice is given in prescription writing. The great clinic, to which students have access throughout the year, gives abundant opportunity to witness the application and therapeutic effects of drugs, and to obtain clinical practice. The instructor is in the clinic one afternoon each week to assist and direct the demonstrating force.

Second Year

a. The Sources and Various Forms of Drugs.—General and local action of drugs; agencies that modify the action of drugs; the art of prescribing medicines; a critical study of about one hundred drugs, classified according to their therapeutic and toxic action; a special laboratory study of escharotics, germicides, antiseptics, deodorizers. Systematic medication for dental purposes; dental prophylaxis; the use of germicides, antiseptics, escharotics, and astringents in dentistry. First semester. One lecture a week. Second semester. Two lectures a week. Professor MaWhinney.

Quizzes and Recitations.—Dr. Poundstone.

b. Theses.—Each student is required to write ten theses, of not less than three hundred words each, on subjects assigned.

c. Clinical Practice.—The Infirmary is open to second year students four hours a day for the observation of conditions requiring the use of drugs and for clinical practice in their treatment. Each student is required to make fifty points in clinical experience. See also Department of Special Pathology and Therapeutics. Professor MaWhinney and assistants.

Operative Dentistry and Bacteriology

Professor Greene V. Black, Professor Arthur D. Black, Professor Willard, Professor Gethro, Dr. Birkland, Dr. Macfarlane, and Assistants

Operative Dentistry in some of its forms of presentation is before the student from the time he enters the school to his graduation. In the first year he makes a study of the human teeth, or dental anatomy, of the forms and nomenclature of the instruments used in operations on the teeth, of the preparation of cavities for filling, of filling materials and their manipulation.

The second year includes a lecture course with demonstrations on the technical procedures in filling teeth, and the student begins practical operations in the clinic room.

The third year includes a review of the technical procedures in filling operations, followed by a careful study of the pathology of dental caries, and the adaptation of means to its amelioration and cure.

The Clinic Rooms, built especially for the purpose, have abundant

room with the best of light. They are well equipped with Columbia operating chairs in ample number for the classes.

The Operative Infirmary Clinic is under the direct supervision of the Professor of Operative Dentistry. The student begins this work with the opening of his second year and continues it to the end of the third year; the time given to it is much greater in the third year than in the second. It is the intention that this infirmary practice shall be as much like an actual dental practice as possible. The development of the ability to obtain and hold a practice, or the professional civility of manner of an operator toward his patient essential to personal success, is regarded equal in importance to the development of manipulative ability.

The clinic rooms will be open through the whole year for the benefit of students who may wish to have greater experience in clinical practice under competent supervision. The number of demonstrators during the summer is ample for the class that chooses to remain with the school. The clinical material is abundant and a most excellent opportunity is offered for clinical practice.

Dental Anatomy

First Year

a. Descriptive Anatomy of the Human Teeth.—Nomenclature. First semester. One lecture or recitation a week. Professor Gethro.

b. Laboratory Course.—Studies of the forms of individual teeth; carving the tooth forms in bone or ivory; dissections and studies of the internal parts—pulp chambers and root canals. First semester. Nine hours a week. Professor Gethro and Dr. Grossman.

Operative Technics

First Year

c. Instruments and Instrumentation.—A study of instrument forms, instrument construction, and the adaptation of instruments to the excavation of cavities. First third of second semester. One lecture a week. Professor Gethro.

d. Laboratory Course.—First third of second semester. Nine hours a week. Professor Gethro and Dr. Grossman.

e. Cavity Nomenclature.—A study of the location of cavities in extracted teeth, of the forms of prepared cavities, of the naming of internal parts of cavities, and of the use of instruments in their preparation. Second third of second semester. One lecture a week. Professor Gethro.

f. Laboratory Course.—Second third of second semester. Nine hours a week. Professor Gethro and Dr. Grossman.

g. Filling Materials and Filling Teeth.—Third third of second semester. One lecture a week.

h. Laboratory Practice.—Filling materials and filling prepared cavities; extracted teeth, ivory, or bone. Third third of second semester. Nine hours a week. Professor Gethro and Dr. Grossman.

Second Year

i. Technical Procedures in Filling Teeth.—Cavity nomenclature; cavity preparation; principles, instruments and appliances, and instrumentation; cavity preparation, by classes of cavities; filling materials; instruments and instrumentation, physics of filling operations, and of finishing fillings. Porcelain inlays; preparation of cavities; formation of matrix; making and inserting inlays; gold inlays. Filling with amalgam, cements, gutta-percha. Exposure and removal of dental pulp. Preparation and filling of root canals. Two lectures and recitations a week. Professor Arthur D. Black.

j. Operative Clinic.—Open to second year students four hours a day during the entire season. Operations amounting to one hundred sixty points required. Professor Arthur D. Black and assistants.

Third Year

k. Review of Technical Procedures in Filling Teeth.—First half of first semester. Two lectures a week. Professor G. V. Black.

l. Pathology of Dental Caries.—Bacteriology of human mouth; causative relation of bacteria to dental caries. Caries of enamel; caries of dentin; inception and progress of dental caries; conditions of the beginning of caries; systemic causes of caries; susceptibility and immunity to caries; vital phenomena in caries; hyperaesthesia of dentin; treatment of dental caries; curative effect of fillings; selection of filling materials. Second half of first semester. Two lectures a week. Professor G. V. Black.

m. Management of Patients.—Cleanliness; evil habits in chewing food, and their correction; management of special conditions. Caries of children's teeth and its treatment; shedding of the deciduous teeth. Management of children. Erosion; management of cases of erosion; management of cavities by classes; extension for prevention and its limitations. Management in special conditions. Esthetic considerations. Second semester. Two lectures a week. Professor G. V. Black.

n. Quizzes and Recitations.—One hour a week. Professor Willard.

o. Operative Clinic.—Open to third year students from 10:30 to 5:30 daily during term time. Operations amounting to three hundred fifty points are required. Professor G. V. Black and assistants.

p. Special Fillings.—Fillings are made under the instruction and immediate supervision of the special clinical instructors, and later full written descriptions of the conditions indicating the operation, the instrumentation and choice of instruments used, are submitted for grading as to excellence. Dr. Macfarlane and Dr. Birkland.

Bacteriology

A combined lecture, recitation, and laboratory course. The equipment includes culture ovens, sterilizers, conveniences for handling test tubes and for making culture media.

Third Year

q. Principles of Bacteriology.—The preparation of culture media; management of laboratory cultures; distinguishing varieties of micro-organisms in laboratory cultures; physiology of micro-organisms; poisons produced by micro-organisms; diseases caused by micro-organisms, particularly those of the teeth and mouth; susceptibility and immunity to diseases. One lecture a week. Professor Willard.

r. Laboratory Work.—Preparation of culture media; planting and management of cultures; separation of species in mixed cultures; deriving pure cultures from infected animals; cultures from saliva, from mucous membranes, and from carious teeth; staining, mounting, and microscopic studies; diagnosis of unknowns. Three hours a week. Professor Willard.

Oral Surgery

Professor Gilmer, Professor Arthur D. Black, Dr. Potts, and Assistants

The Course embraces instruction in the general principles of surgery and in the practical application of surgery to pathological conditions occurring in or about the mouth and face, giving special attention to diagnosis and the recognition of conditions.

The subject of Anaesthetics and Anaesthesia is presented in detail in lectures, in experiments on animals, in the clinic, in the oral surgery and daily in the extracting clinic. Nitrous oxide is used generally in the extracting clinic, and ether and chloroform in the oral surgery clinic. Local anaesthesia is exhibited frequently in the clinic in cases to which it is adapted.

Third Year

a. Surgical Bacteriology.—Inflammation; suppuration; wounds; hemorrhage; necrosis; caries of bones; diseases of the maxillary sinus; resection of roots; tetanus; ankylosis; arthritis; facial neuralgia; fractures; dislocations; extraction of teeth; malposition of third molars;

impacted teeth; replantation, transplantation, and implantation of teeth; cleft palate and harelip; affections of the lips, tongue, and mouth; tumors; odontomes; ranula; cysts; aneurisms. One lecture a week. Professor Gilmer.

b. Recitations and Quizzes.—One and one-half hours a week. Professor Arthur D. Black.

c. Surgical Clinic.—Two hours a week throughout the year. Professor Gilmer, nurses from St. Luke's Hospital, and Dr. Potts.

d. Special Clinical Instruction.—Diagnosis and case histories. One hour a week. Professor Arthur D. Black.

e. After Treatment of Surgical Cases.—By students, under direction of Professor Gilmer.

f. Clinic in the Extraction of Teeth, Daily.—Open to second and third year students. Dr. Stowell.

g. The Evolution of General Surgical Anaesthesia.—State of the patient; nature of operation; choice of anaesthetic; prolonged dental operations; circumstances of administration; inspection and examination of patients; general anaesthetic agents; local and regional anaesthetics; dangers of anaesthesia. Second semester. One hour a week. Dr. Potts.

h. Clinical Administration of Anaesthetics.—Oral surgery clinic. Two hours a week. Dr. Potts.

i. Clinical Exhibition of Nitrous Oxid Anaesthesia.—Daily in extracting clinic. Dr. Stowell.

Orthodontia

Professor Sellery, Dr. Baker, and Assistants

Orthodontia is taught both didactically and clinically. Proceeding from the normal occlusion, derangements of the alignment of the teeth and malformations of the dental arch are systematically classified, and mechanical arrangements of fixtures for bringing the several classes of irregularities into normal form are carefully studied. Text-books: Angle, Guilford, Knapp. Lantern slides from photographs, X-ray pictures, and models of cases are used.

Third Year

a. Occlusion and Facial Art.—Etiology, classification, diagnosis of malocclusion. The alveolus and alveolar processes, the peridental membranes, and use of models. First semester. One lecture a week. Professor Sellery.

b. Regulating Appliances, Angle, Guilford, Knapp.—Anchorages, jack screws, levers, traction screws, extension arch and combinations, split plates, reciprocal anchorages, retention. Illustrated with models, with movable teeth and enlarged appliances. Stereopti-

con views, illustrating progressive regulation and final fixation. Second semester. One lecture a week. Professor Sellery.

c. Clinic or Infirmary Course.—Open to students during first and second semesters for practical work in the correction of practical cases. Professor Sellery, Dr. Baker, and assistants.

General Pathology

Professor Wiggin

This course is essential to the student's understanding of general pathological conditions, and forms the basis of his studies of the special pathology of the tissues of the teeth, the membranes of the teeth; the correlated tissues, and the organs of the mouth.

Second Year

a. Etiology of Disease.—Disorders of nutrition and metabolism; diabetes; fever; general circulatory disturbances; local hyperemia; local anemia; hemorrhage; embolism; infarction; thrombosis; retrogressive processes; atrophy; infiltrations and degenerations; necrosis; inflammation; progressive tissue changes; neoplasms; infections; granulomata; bacteria, and diseases caused by them. Lectures and recitations. One hour a week. Professor Wiggin.

b. Quiz Class in Sections.—Second semester. Two hours a week.

Special Pathology and Therapeutics

Professor MaWhinney

In dental practice this is a department of operative dentistry. It includes a study of the diseases and the abnormal conditions of the pulps of the teeth, of the membranes of the teeth, of the immediate surrounding soft tissues and bones, and of the mucous membranes of the mouth.

Third Year

a. A Review of the Structure and Functions of the Dental Pulp.—Hyperemia and inflammation of the pulp; capping exposed pulps; obtunding sensitive dentin. Pulp devitalization; pulp removal; treatment of canals; root filling; suppuration; the healing process; immunity and susceptibility; suppuration of the dental pulp; alveolar abscess; absorption of roots of teeth and of bone; caries of bone; necrosis. A study of germicides and antiseptics with laboratory tests. Bleaching teeth. First semester. One lecture a week. Professor MaWhinney.

b. Quizzes and Recitations.—First semester. One hour a week.

c. Peridental Membranes.—Review of histological structures; simple gingivitis; calcic inflammation; phagedenic pericemenitis; replantation and transplantation of teeth; functions of the mucous membranes of the mouth; stomatitis; prophylaxis; mouth hygiene. Second semester. Two lectures a week. Professor MaWhinney.

d. Quizzes and Recitations.—Second semester. One hour a week.

e. Clinical Practice.—In addition to the above courses, third year students are required to make one hundred fifty points in practical treatments in the Infirmary clinic, and to send in for examination and criticism a complete history of the conditions found and the treatment record of each of ten cases. Professor MaWhinney is in the Infirmary one-half day each week to superintend this work.

Physiology

Professor Wiggin

The work in Physiology includes a course of two lectures a week and text-book study with quizzes, in the first year; in the second year the subject is continued, one lecture a week, devoted mainly to the brain, nervous system, and the functions of reproduction.

First Year

a. General Physiology.—The structure of the elementary tissues; the chemical composition of the body; the blood; the circulation of the blood. First semester. Two lectures a week. Professor Wiggin.

b. Quiz Class Work.—In sections. First semester. Two hours a week.

c. Respiration.—Secretion; food digestion; metabolism; nutrition and diet; animal heat; excretion; muscle; nerve physiology; production of voice. Second semester. Two lectures a week. Professor Wiggin

d. Quiz Class Work.—In two sections. Second semester. Two hours a week.

Second Year

e. The Central Nervous System.—Brain; spinal cord; reproductive organs; development. Lectures and recitations. One hour a week Professor Wiggin.

f. Quiz Class Work.—In sections. Two hours a week.

Prosthetic Dentistry

Professor Prothero, Dr. Methven, Dr. Waldberg, and Assistant

The Prosthetic Technic Laboratory and the Junior Prosthetic Laboratory are situated on the fifth floor, and the Senior Prosthetic Labora

tory and the porcelain and inlay laboratory are situated on the sixth floor, adjacent to the Crown and Bridge Room. All are well supplied with outside light, and also completely equipped with electric lights.

Each laboratory is furnished with electric lathes for grinding and polishing; the Junior Laboratory is completely equipped with the heavier laboratory appliances, such as vulcanizers, celluloid presses, and apparatus for casting aluminum plates. The Prosthetic Laboratory for second and third year students is equipped with the appliances necessary for modern prosthetic dentistry; the adjacent porcelain and gold inlay laboratory is fitted with electric furnaces and with gasoline furnaces and various kinds of swaging devices and casting apparatus for gold-inlay work. The crown and bridge room, for practical prosthetic operations, is equipped with thirty modern operating chairs and a sufficient number of electric connections.

First Year

a. PROSTHETIC TECHNICS.—This course covers the fundamental principles of denture construction and crown and bridge work, and accompanies the laboratory course. First semester. One lecture a week. PROFESSOR PROTHERO.

QUIZ AND RECITATION WORK.—First semester. One hour a week. DR. METHVEN.

b. LABORATORY COURSE.—Impression taking, model constructing, occluding, waxing, flasking, packing, vulcanizing, and finishing partial and full artificial dentures. First semester. Nine hours a week. PROFESSOR PROTHERO, DR. METHVEN, and assistants.

c. METALLOGRAPHY.—A descriptive course on the nature and physical properties of metals, especially those used in dentistry, with fundamental principles of their uses; the manipulation of metals, swaging, annealing, solders and soldering, welding, tempering. Second semester. One lecture a week. PROFESSOR PROTHERO.

d. QUIZ OR RECITATION.—On the work of Courses a, b, and c. Second semester. One hour a week. DR. METHVEN.

e. LABORATORY COURSE.—Construction of dies and counter dies; swaging metal bases of German silver; attaching teeth by soldering and by vulcanite; construction of crowns and dummies, all metal, and metal and porcelain; assembling individual crowns and dummies to form bridges; constructing and tempering taps and dies of steel; drawing wire and tubing suitable for the construction of orthodontia appliances. Second semester. Nine hours a week. PROFESSOR PROTHERO, DR. METHVEN, and assistants.

Second Year

f. LECTURE COURSE.—Review of technic principles outlined in first year; their application to practical operations in the Infirmary. The

physical properties of plaster of Paris and other materials employed in prosthesis. Muscles of mastication; force of the bite; movements of the lower jaw; natural arrangement and occlusion of artificial teeth. One lecture a week. PROFESSOR PROTHERO.

g. QUIZ OR RECITATION.—One hour a week. DR. METHVEN.

h. LABORATORY COURSE.—Construction of full metal and partial metal base dentures, with teeth attached by soldering and by vulcanite; construction and application of clasps to partial dentures; advanced work in crowns and bridges. Nine hours a week. PROFESSOR PROTHERO, DR. WALDBERG, and DR. METHVEN.

i. PROSTHETIC CLINIC.—Each student is required to carry to completion for patients a number of practical cases, representing each of the various classes of prosthesis, amounting to at least fifty points. PROFESSOR PROTHERO, DR. METHVEN, and assistants.

Third Year

j. A CRITICAL REVIEW.—Summary of recent methods and appliances; application of porcelain in prosthesis; baked porcelain crowns; porcelain bridges, full porcelain dentures; methods of cavity preparation for porcelain inlays; forming, baking, and setting porcelain inlays. Methods of obtaining wax models of cavities, forming investments, and casting, and setting gold inlays. The student is assigned a series of articles for reading, and is required to present a thesis covering the subject named. One lecture a week. PROFESSOR PROTHERO.

k. LABORATORY COURSE.—Cast aluminum base dentures; celluloid dentures; banded Logan crowns; baked porcelain crowns; porcelain bridges; continuous gum dentures. First semester. Six hours a week. PROFESSOR PROTHERO, DR. WALDBERG, DR. METHVEN, and assistants.

l. PROSTHETIC CLINIC.—Practical pieces of prosthetic work of all varieties made and fitted for patients in the Infirmary. Studies of the conditions of the mucous membranes; the preparation of roots for crowns and the abutments of bridges; making and setting crowns and bridges, and preparation of cavities and setting porcelain or gold inlays. The minimum requirement is one hundred points.

The Infirmary is open to students from 10:30 to 5:30 o'clock each day during term time. This period is divided between the Prosthetic and the Operative Departments, and text-book work and general reading. PROFESSOR PROTHERO, DR. METHVEN, and assistants.

GENERAL STATEMENTS

REQUIREMENTS FOR DEGREE

The degree of Doctor of Dental Surgery is conferred upon students recommended therefor by the Faculty of the School. Those candidates and recommended who have attended the required courses of lectures, who have passed satisfactorily all required examinations in the subjects of study, the entire last year having been completed in this School, who, in the judgment of the Faculty, are of fit moral character, who are 21 years of age, who have completed the required clinical and laboratory work, and who have discharged in full all financial obligations to the University.

THE LIBRARY AND READING ROOM

The Menges Library and Reading Room, named in honor of the late Dr. Theodore Menges, occupies, together with the attached Journal Reading Room, three thousand feet of floor space. It is furnished with reading tables and chairs for about one hundred students. The Library contains 2,806 volumes of books on dental and collateral subjects; a rich supply of dictionaries and encyclopedias conveniently placed in the Reading Room for easy consultation; and a nearly complete list of the dental journals in the English language, with about 16,000 duplicate numbers. The books most used by students are duplicated, up to six or twelve, and a few to fifteen copies. The books and journals may be used in the Reading Room without restriction, and when the duplication of volumes will allow, they may be drawn out as a circulating library.

THE MUSEUM

The Museum is in the Reading Room and is open to inspection and study. The cases are arranged to show the specimens to the best advantage.

The comparative anatomy specimens are, with the exception of the gorilla and chimpanzee, of which there are full skeletons, heads with the teeth. There is a sufficient number of varieties of each of the several orders to afford specimens of every kind of tooth form and of every variety of placement in mammals, saurians, and snakes, with a rich variety of fishes.

The principal specimens of the human skull are, first, a most excellent mounting of the separated bones of the adult; second, a fine set of dissections in a series showing the development of the teeth and the roots from the first appearance in the fetus to the full adult development, and illustrating the absorption of the roots of the deciduous teeth, the shedding process, and the replacement by permanent teeth; also the absorption of the alveolar processes after the loss of teeth, with the changes that occur in the form of the bones of the jaws from childhood to old age. This is an exceptionally complete, handsome, and valuable set of specimens. There are also a variety of ordinary human skulls.

The Museum also contains a valuable collection of human teeth of abnormal forms; a very full and complete set of specimens illustrating interproximal wear and the flattening of the points of interproximal contact. It is especially rich in casts of cases of supernumerary teeth; some illustrations of the very early forms of artificial teeth, of manufactured porcelain teeth, and of dental instruments, illustrating the development in these lines. This collection has been made largely in the School by students and by alumni, and is being continually enlarged by donations from those who have met with specimens unusual or rare in practice. Such donations are requested from all practitioners who will assist in building up this great museum of abnormal conditions of teeth and of associated parts for the benefit of dental education.

FEES AND EXPENSES

The Tuition Fee.—The annual tuition fee is.....$150.00

This fee may, at the option of the student, be paid in two or three installments. If paid in two installments, $78.00 must be paid not later than October 20, and $75.00 on February 20. If paid in three installments, $55.00 must be paid not later than October 20, $50.00 on January 20, and $50.00 on April 20.

Registration Fee.—The annual fee for registration.....$ 5.00

Breakage Fee.—The annual fee for breakage.....$ 1.00

Anatomical Fee.—For first and second year students.....$ 5.00

Final Examination Fee.—For Seniors.....$15.00

Laboratory Deposits.—A deposit of $5.00 in the Chemical and also in the Histological laboratory is required of first and second year less a charge for materials or apparatus lost, damaged or destroyed while in the care of the student.

Locker Fee.—Lockers for the keeping of students' instruments, engines, and extra garments are furnished at a rental of fifty cents a year. The students furnish their own padlocks.

Time of Payment of Fees.—All fees are payable at the beginning of the school year.

Refund of Fees.—Fees are returned only in the case of serious illness.

Practitioners' Course Fees.—Registration, $5.00; tuition for one subject, $45.00; tuition for two or three subjects, $60.00; tuition for the entire course, $70.00. Graduates of Northwestern University Dental School receive a reduction of twenty per cent on tuition fees.

Payments should be made in currency or in Chicago exchange drawn to the order of the Secretary of Northwestern University Dental School.

Board and Lodging

Rooms and board may be obtained in convenient neighborhoods at $4.00 to $6.00 a week. Rooms without board, furnished or unfurnished, may be had at $6.00 to $10.00 a month.

THE COURSE FOR GRADUATES AND PRACTITIONERS

The course opens on June 4, 1909, and continues four weeks, with six days of teaching each week. It includes two hours of lectures and six hours of practical teaching each day, by members of the regular staff of the School. Especial attention is given to porcelain and gold inlays, crowns, bridge work of all kinds, the treatment of pyorrhœa, and the most recent methods in Operative Dentistry, Oral Surgery, and Orthodontia. The studies for 1909 are:

Operative Dentistry.—Professor G. V. Black, assisted by Professor A. D. Black, and others.

Histology, as Applied to Operative Dentistry.—Professor Frederick B. Noyes.

Oral Surgery.—Professor Gilmer and assistants.

Materia Medica.—Professor MaWhinney.

Prosthetic Dentistry.—Professor Prothero and assistants.

Orthodontia.—Professor Sellery.

Certificates are given to those who complete the course.

Registration	$ 5.00
Tuition for one subject	$45.00
Tuition for two or three subjects	$60.00
Tuition for entire course	$70.00

To graduates of Northwestern a reduction of twenty per cent will be made on tuition fee.

For further information relating to the Dental School, address The Secretary, Northwestern University Dental School, Chicago, Illinois.

The School of Music

THE SCHOOL OF MUSIC

The School of Music was established in 1895. It offers extensive practical and theoretical courses in music, and is designed to fit students for the profession as composers, theorists, artists, teachers, or critics. It also makes provision for the study of music as a part of general culture or as an accomplishment.

This School occupies Music Hall on Willard Campus. This building was erected during the year 1897 for the special needs of the School of Music. It is situated on University Place, between Sherman and Orrington Avenues, immediately to the north of Willard Hall and one block west of the University Campus. It is within easy access of both street railways, and is two blocks east and two blocks north of the Evanston railway station. It is substantially built of stone and brick, with a tile roof, and is finished in Georgia pine. The main floor contains the Office of the Dean, the Business Office, Reception Room, teaching and practice rooms. On the second floor are additional class-rooms, and a well-arranged concert hall seating three hundred fifty persons. The hall is provided with a large stage, with dressing rooms, a grand piano, a two-manual pipe organ with pedals, and is seated with opera chairs. The basement floor is divided into fourteen rooms, giving a large class-room for recitations in theory and musical history, and thirteen practice rooms.

With its Preparatory Department, and its Certificate and Diploma Courses, the School of Music supplies facilities for the study of music from the very beginning to an advanced stage of artistic proficiency. The student desiring to fit himself for professional performance will find well ordered courses in the study of piano, organ, violin, violoncello, or singing, together with auxiliary studies in the theory and history of music. The student seeking to specialize in theory, composition, or the history of music will find opportunities for development along these lines.

The courses of instruction are under the guidance of experienced specialists who have enjoyed the best advantages afforded by this country and Europe. The scholarly side of musical attainment represented in the theoretical courses is unusually complete and exhaustive. While open to all seeking musical instruction, the School particularly welcomes earnest, capable, and diligent students who desire to adequately comprehend and worthily interpret a noble art.

THE FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D. ..... *President*
PETER CHRISTIAN LUTKIN, Mus.D. ..... *Dean*
IRVING HAMLIN ..... *Secretary*

PETER CHRISTIAN LUTKIN, Mus.D. ..... *Professor of Organ, Theory, and Compositon*
HAROLD EVERARD KNAPP ..... *Director of the Violin Department, Professor of Violin and Ensemble Playing*
ARNE OLDBERG ..... *Professor of Piano and Composition*
KARLETON HACKETT ..... *Director of the Vocal Department, Instructor in Voice Culture*
VICTOR GARWOOD ..... *Instructor in Piano and in the History of Music*
ALTA DOROTHY MILLER ..... *Instructor in Voice Culture*
WILLIAM HENRY KNAPP ..... *Instructor in Voice Culture*
MARGARET CAMERON ..... *Instructor in Piano*
NINA SHUMWAY KNAPP ..... *Instructor in Piano*
LOUIS NORTON DODGE ..... *Instructor in Piano and in Theory*
HILA VERBECK KNAPP ..... *Instructor in Piano*
BERTHA ALTHEA BEEMAN ..... *Instructor in Voice Culture*
BARBARA ANN RUSSELL ..... *Instructor in Sight-Reading, Choral Music, and Public School Methods*
LEWIS RANDOLPH BLACKMAN ..... *Instructor in Violin*
DAY WILLIAMS ..... *Instructor in Violoncello*
WALFRIED SINGER ..... *Instructor in Harp*
CHARLES JOSEPH KING ..... *Instructor in Clarinet, Oboe, and Bassoon*
CHARLES STEPHEN HORN ..... *Instructor in Cornet*
CURTIS ABELL BARRY ..... *Instructor in Organ*
CHARLES JOHN HAAKE ..... *Director of the Preparatory Department, Instructor in Piano*
GAIL MARTIN HAAKE ..... *Instructor in Piano*
NELLIE BEULAH FLODIN ..... *Assistant Instructor in Piano and Ensemble Playing*
SARAH MOORE ..... *Assistant Instructor in Piano and Children's Classes*
MYRTA MCKEAN DENNIS ..... *Assistant Instructor in Piano*
LURA MARY BAILEY ..... *Assistant Instructor in Piano*
HEDWIG BRENNEMANN ..... *Assistant Instructor in Voice Culture*
CARL MILTON BEECHER ..... *Assistant Instructor in Piano and Theory*

ADMISSION AND INSTRUCTION

Students enter the School of Music either as regular or as special students. Regular students pursue prescribed courses of study as candidates for a certificate or diploma. Special students pursue such work as they may elect; but, if they are not residents of Evanston, they are required to take sufficient work to keep their time reasonably occupied. They have the privilege of appearing at the regular solo classes and students' recitals, and thus receive the benefit of frequent public performance. All students come under the discipline and general social regulations of the University.

For the course in Applied Music moderate attainments representing on an average one year of systematic training in singing or two or three years in instrumental music are necessary.

Methods of Instruction

Attention is called to the fact that instruction in instrumental and vocal music is based upon private lessons, and not upon the so-called conservatory or class system. Artistic results are entirely dependent upon a close adaptation of instruction to the individual needs of the pupil, and cannot be accomplished satisfactorily in classes. Advantages of the class system—those of emulation and observation—are fully provided for by weekly solo classes.

Outline of Courses

The Course in Applied Music leads to the Degree of Graduate in Music.

The Course in Theory and History of Music leads to the Degree of Bachelor of Music.

The Post-Graduate Course.

The Literary Musical Course.

The Course in Methods in Public School Music.

The Course in Applied Music

The course is designed as a preparation for professional work. Candidates of decided ability can complete the course in four years.

This course includes the practical study of piano, organ, violin, or voice, two lessons a week, and four hours a day spent in preparation. Voice students may substitute piano playing of medium grade, choir practice and choral practice in the Evanston Musical Club for instrumental sight-reading, ensemble playing, and reading from score. The amount of vocal practice is fixed by the instructor. Organ students divide their time between the organ and the piano; but if sufficiently advanced in technique and in sight-reading, they may be relieved from the piano requirements and may substitute one lesson a week upon the organ, with a special tuition rate. See page 259. For students of stringed instruments, orchestra practice is considered an equivalent for ensemble playing. This course includes the theoretical subjects specified below. Candidates who can meet the entrance requirements to the College of Liberal Arts will receive, upon the satisfactory completion of this course, the degree of Graduate in Music. Opportunity is given in the Evanston Academy of the University to make up any reasonable deficiency in College entrance requirements without additional expense. Matriculation once effected permits the candidate to pursue each year one College study without additional fee. Candidates registered for such subjects are not permitted to discontinue them except at the end of a semester. The courses of instruction in the College of Liberal Arts are described in detail on pages 79 to 117. The subjects open to election in the Academy are not given in this catalogue, but are listed in the Bulletin of the Evanston Academy, to be had upon application.

Candidates who confine their work to the musical studies scheduled below are granted a diploma of musical proficiency upon satisfactory completion of the course. Such students may carry one literary study in the Academy during the course without additional fee.

A suitable certificate is given on the satisfactory completion of the second year of the course. The performance of a program as outlined on page 257, under the heading Certificate of Performance, is an additional requirement.

Program Requirements

In addition to the following schedule candidates must satisfactorily perform programs conforming to the following requirements:

Piano Students.—A concerto of considerable difficulty; one of the later Beethoven sonatas; one of the more important works of Bach; two Chopin études; selections from the more important works of Schumann and Brahms.

Organ Students.—One of the great preludes and fugues of Bach; a sonata of Guilmant or Rheinberger; selections from the works of Thiele, Widor, Merkel, or Franck.

Violin Students.—A Bach sonata; a concerto of considerable difficulty; a modern sonata for piano and violin; selections from the more important works of Vieuxtemps and Wieniawski.

Vocal Students.—An operatic aria; an aria from Handel's Messiah or Haydn's Creation; an aria from a modern oratorio; group of songs from Brahms, Jensen, Schumann, Schubert, or Franz.

The letters given after the subjects refer to the courses as listed in the College of Liberal Arts on pages 79 to 117.

For hours of recitations and details of studies in Courses A to P, see pages 104 to 107.

First Year

Introductory Harmony, Form and Analysis.....Course A
History of Music.....Course B
Sight-Reading, Vocal....Course C
Ensemble, four and eight-hand piano playing
Solo Classes, Recitals and Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

Second Year

Harmony .....Course D
Form and Analysis.....Course E
History of Music.....Course F
Chorus and Choir Training.... .....Course G
Ensemble, pianoforte and strings, and Accompaniment
Solo Classes, Recitals, Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

Third Year

Counterpoint .....Course H
Advanced Harmony.....Course I
Composition .....Course J
Advanced History of Music....K
Analysis .....Course L
Ensemble, pianoforte and strings, and Accompaniment
Solo Classes, Recitals, and Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

Fourth Year

Counterpoint, Canon and Fugue .....Course M
Vocal Composition.....Course N
Instrumental Composition.....O
Analysis .....Course P
Ensemble, Chamber Music
Music Pedagogy
Solo Classes, Recitals, and Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

Course in Theory and History of Music

This course is intended for composers and theorists. It requires four years and leads to the degree of Bachelor of Music. The candidate for admission should be fairly experienced at the piano, and able to play all exercises and compositions taken up in class, including score reading.

The candidate must complete satisfactorily the studies of the schedule below, and obtain in the College of Liberal Arts one-fourth of the number of credits required for the degree of Bachelor of Arts. His list of studies must include General Physics.

He is required to score for full orchestra a composition assigned to him by the faculty such as a movement from a piano sonata by Beethoven, or to compose and score an original work of considerable length. This work must be satisfactory to the faculty in technical and artistic aspects, and must demonstrate a decided command of orchestral resources and effects.

This course necessitates constant attendance upon choral and orchestral concerts, and the diligent study of the full scores of standard works.

Upon the completion of three years of this course a certificate is issued by the University.

First Year

Harmony .....Course D
Form and Analysis....Course E
History of Music.....
.....Courses B and F
Chorus and Choir Training....G
Ensemble .....optional
One College Study

Second Year

Counterpoint .....Course H
Harmony .....Course I
Composition .....Course J
History of Music.....Course K
Analysis .....Course L
Ensemble .....optional
One College Study

Third Year

Counterpoint, Canon and Fugue
.....Course M
Vocal Composition.....Course N
Instrumental Composition.....O
Analysis .....Course P
Ensemble .....optional
One College Study

Fourth Year

Canon and Fugue.....Course Q
Vocal Composition.....Course R
Instrumental Composition.....
.....Course S
Ensemble .....optional
One College Study

For hours of recitation and details of studies in Courses D to S, see pages 104 to 107.

The Post-Graduate Course

This course offers to performers opportunity to pursue further their preparation for artistic concert performance or to extend their knowledge of the classical literature of applied music. To composers it offers valuable experience in the larger forms, such as cantatas, oratorios, chamber music, and symphonies. Music, in its broadest sense, presents an almost limitless field for study, and graduates can enter this course with profit.

The Literary Musical Course

This course, intended for students of high school grade, includes the more essential subjects of general culture, together with the study of music for two hours daily. It is the four-year course of the Evanston Academy, with the substitution of Music for one-fourth of the required work. The choice of studies includes Latin, physiography, algebra, English, Grecian and Roman history, Greek, biology, plane geometry, physics, German and French. Music is pursued continuously during the entire course, two lessons a week to be taken, requiring at least two hours a day in practice and preparation. The students who wish to pursue the study of Music as a part of their school work, come under the jurisdiction of the Academy, and receive its diploma upon passing the necessary examinations. For particulars, other than musical, see the circulars of the Evanston Academy of Northwestern University.

The Course in Methods of Public School Music

This course is intended to fit the candidate for the position of Supervisor of Music in the public schools. The course requires one year, but students who enter it without previous experience in singing and without knowledge of the rudiments of music, can hardly complete it in that time. The study of music is taken up from the rudiments, but first principles are not dwelt upon extensively.

The course includes observation of class work in the public schools, under the direction of the Supervisor of Music for the City Schools of Evanston, who has charge of this department.

The study of music is assuming more and more importance in public schools throughout the country, and well-equipped supervisors are in demand. The ability to teach one or two branches of study besides music frequently helps a candidate in obtaining an appointment, and secures him higher remuneration.

Students in this course may substitute more advanced work in any of the above subjects, provided they can prove their ability to carry it. For hours of recitation and details of studies in Courses A to T, see pages 104 to 107.

Introductory Harmony, Form and Analysis.....Course A
History of Music.....
.....Courses B and F
Sight-Reading, vocal....Course C
Chorus and Choir Training....
.....Course G
Public School Methods..Course T

Ensemble, four and eight-hand piano playing, and Accompaniment, (optional); one College or Academy study.

GENERAL STATEMENTS

GRADUATION

Upon the recommendation of the Faculty, diplomas are given to students who complete the course in Applied Music, or the course in Theory and History of Music; certificates are given to those who complete the course in Methods of Public School Music or the second year of the course in Applied Music or the third year of the course in Theory and History of Music.

Certificate of Performance

Certificates of performance are given to students who have studied two years in the school and can perform creditably a program in their specialty. The minimum requirements are as follows:

Piano Students.—Beethoven, a complete sonata; Bach, a fugue or three-voiced invention; Mendelssohn, Schumann, and Chopin, characteristic pieces of average difficulty; two selections from modern composers.

Organ Students.—Bach, prelude and fugue; Mendelssohn, sonata complete; two groups of pieces drawn from the modern English and French schools.

Violin Students.—A sonata for piano and violin from Haydn, Mozart, or Beethoven; one of the easier Viotti concertos; two groups of solo pieces of average difficulty.

Vocal Students.—An oratorio aria; a group of songs from the classic composers; a group of songs from modern composers.

FEES AND EXPENSES

The school year is divided into four quarters of nine weeks each, and unless otherwise indicated fees as stated are paid quarterly. Tuition is payable strictly in advance at the University office, 518 Davis Street. Checks may be drawn payable to Northwestern University.

Matriculation Fee.—A matriculation fee of five dollars is charged upon entering the regular courses or theoretical classes. It is paid but once.

Incidental Fee.—A fee of fifty cents a quarter is charged each student. This fee covers admission to the Artists' Series of Concerts.

Musical Club Fees.—Active membership in the Evanston Musical Club, see Course G, page 105, is three dollars a year. Students in regular courses are required to attend the concerts of the Club and are charged fifty cents in the second, third, and fourth quarters for admission to these concerts, with reserved seat. Students who are active members of the Club are exempt from this charge.

Diploma and Certificate Fees.—The diploma fee is ten dollars. The certificate fee is five dollars.

Locker Fee.—A fee of twenty-five cents a quarter is charged those desiring the use of a locker.

Free Courses.—The classes in Sight-Reading, the Chamber Music and Faculty Concerts, except the Artists' Series, numerous recitals and lectures in the School of Music and others in departments of the University, are open to students of the School of Music, free of charge.

Course Fees

Course in Applied Music.—A Theory fee of twenty dollars is charged, in addition to the fee for the major study as given in the table of Applied Music Fees.

Course in Theory and History of Music.—The fee is twenty dollars.

Post-Graduate Course.—See Special Student fees.

Literary Musical Course.—The fee is the Academy tuition fee of seventy-two dollars a year, in addition to fees for Special Students of the School of Music, less five dollars a quarter.

Course in Methods of Public School Music.—The regular fee is thirty dollars. Students registered in the Course in Applied Music or the Course in Theory and History of Music pay ten dollars. Students desiring applied music may take one study under the fees of the table of Applied Music Fees; if more than one be desired, the additional study is taken under the fees of the table for Special Students Fees.

Additional Fees.—Students desiring to take more than one College study are referred to the statements of fees on page 138.

Fees for Applied Music

The fees for Applied Music are given in the following table. They are applicable to one study of students paying the full Theory Fee of twenty dollars or the full Public School Methods Fee of thirty dollars. Additional studies are taken from the table of Special Student Fees. The rates apply for a quarter of nine weeks; the lessons are a half-hour in length.

Private Lessons Each Week		One	Two
Professor Lutkin	Organ	....	$35.00
Professor Lutkin	Special Organ Rate, page 253	$20.00	
Professor H. E. Knapp	Violin	....	25.00
Professor Oldberg	Piano	....	35.00
Mr. Garwood	Piano	....	30.00
Mr. Hackett	Voice	....	45.00
Miss Miller	Voice	....	30.00
Mr. W. H. Knapp	Voice	....	25.00
Miss Cameron	Piano	....	25.00
Mr. Dodge	Piano or Theory	....	20.00
Miss Beeman	Voice	....	22.00
Mr. Blackman	Violin	....	18.00
Mrs. Nina S. Knapp	Piano	....	18.00
Mrs. Hila V. Knapp	Piano	....	16.00
Mr. Haake	Piano	....	20.00
Mrs. Haake	Piano	....	18.00
Mr. Barry	Organ	....	20.00
Mr. Barry	Special Organ Rate, page 253	12.00	

Fees for Special Students

These fees are paid for private lessons by students who take vocal or instrumental music only, or a partial course in theory, or the full theory course under certain conditions already mentioned. The rates are for a quarter of nine weeks; the lessons are a half-hour in length.

Private Lessons Each Week		One	Two
Professor Lutkin	Organ	$25.00	$45.00
Mr. Hackett	Voice	33.00	60.00
Professor Oldberg	Piano	25.00	45.00
Professor Oldberg	Composition	30.00	54.00
Mr. Garwood	Piano	22.00	40.00
Miss Miller	Voice	22.00	40.00
Professor H. E. Knapp	Violin	17.00	31.50
Mr. W. H. Knapp	Voice	17.00	31.50
Mr. Williams	Violoncello	15.00	27.00
Miss Cameron	Piano	17.00	31.50
Mr. Dodge	Piano	13.50	25.00
Mr. Dodge	Theory	13.50	25.00
Miss Beeman	Voice	15.00	27.00
Mr. Blackman	Violin	12.00	22.50
Mrs. Nina S. Knapp	Piano	12.00	22.50
Mrs. Hila V. Knapp	Piano	11.00	20.00
Mr. Barry	Organ	13.50	25.00

Mr. Haake	Piano	$13.50	$25.00
Mrs. Haake	Piano	12.00	22.50
Mr. King	Clarinet	10.00	18.00
Mr. Horn	Cornet	10.00	18.00

ASSISTANT INSTRUCTORS

Miss Moore	Piano	$10.00	$18.00
Miss Flodin	Piano	10.00	18.00
Mrs. Dennis	Piano	10.00	18.00
Miss Bailey	Piano	8.50	15.00
Miss Brennemann	Vocal	8.50	15.00
Mr. Beecher	Theory or Piano	8.50	15.00

Fees for Partial Courses

Theory, one recitation a week	$5.00
Two recitations a week	8.00
Three recitations a week	11.00
Pedagogy	5.00
No charge is made to fourth year students in Applied Music.	
Vocal Sight-Reading Class, students taking no other work	1.50
Physical Culture	2.50

Practice Fees

Piano Practice:	
One hour a day	$3.00
Two hours a day	5.50
Three hours a day	8.00
Four hours a day	10.00
Organ Practice:	
Pipe Organ, one hour a day	$10.00
Vocalion Organ, one hour a day	7.50
Pedal Piano, one hour a day	5.00
Combination of Pipe Organ and Pedal Piano, one hour a day	7.50

Refunds

Private lessons falling upon legal holidays are made up at the convenience of the teacher. Deductions are not made for occasional absences due to illness or other causes. In cases of protracted illness, when due notice is given, private lessons missed are transferred to a later quarter, or the loss is divided with the student.

A discount of twenty-five per cent on private lessons is allowed

to the immediate members of a minister's family. It is not allowed on class instruction or practice. One-half the fee for class lessons or practice is refunded to a student who withdraws before the middle of a quarter, provided he secures from the Dean a statement of honorable standing, and from a physician a certificate that his health does not permit him to remain in attendance.

MUSIC PEDAGOGY

During the last term of each year is provided a series of lectures, primarily intended for the graduating class, and designed to give an orderly survey of the materials of music education with special reference to piano playing from the beginning to an advanced stage of attainment.

PREPARATORY DEPARTMENT

A Preparatory Department is maintained by the School of Music in which excellent instruction may be obtained in piano, organ, voice, or theory. Instruction is given for the most part by graduates and under-graduates of the school, classified as Assistant Instructors. The quarters coincide with those of the regular school and are nine weeks in length. Tuition rates are from twelve dollars to eighteen dollars a quarter ot eighteen half-hour lessons.

For further information and for special circulars relating to the School of Music, address Northwestern University School of Music, Evanston, Illinois.

THE SCHOOL OF COMMERCE

THE SCHOOL OF COMMERCE

The School of Commerce was organized in June, 1908. Sixty business men of Chicago guaranteed the financial success of the School during the first three years of its existence. These men were members of the Chicago Association of Commerce, the Illinois Society of Certified Public Accountants, and the Industrial Club of Chicago. Their co-operation with the University in founding a University School of Commerce has been brought about largely through the efforts of Mr. Joseph Schaffner.

The school is an integral part of Northwestern University, under the immediate financial supervision of an executive committee. This committee is composed of the President of the University, a representative of Northwestern University, three members of the Chicago Association of Commerce, and three members of the Illinois Society of Certified Public Accountants. The co-operation of the University with active business men insures the maintenance of University standards, and serves to keep the instruction in close touch with actual business life and modern commercial methods. The material offered by the business activities of the city and nation constitute the laboratory of higher commercial education, and in harmony with the tendency toward specialization in other lines, the work of systematizing this material and reducing it to teachable form is the especial task of the University. The location of the School in the Northwestern University Building, at the corner of Lake and Dearborn Streets, provides an excellent opportunity for young men employed in business houses to acquire a thorough training in the science of business.

The instruction of the first year of the School is confined to Economics, Elementary and Corporation Finance, Commercial Law, Intermediate and Advanced Accounting. It is the policy of the School to develop these courses until the curriculum deals with every phase of business. The scope of the work will be enlarged to include both day and night work. An arrangement is contemplated whereby students may include in their College course a part of the work required for graduation in the School of Commerce.

The School of Commerce has been remarkably successful in the response it has called forth from men employed in business. Over two hundred students have received instruction in the classes. Instructors have been drawn from the University Faculty, and from business and professional life.

THE FACULTY

Abram Winegardner Harris, Sc.D., LL.D.....*President*
Willard Eugene Hotchkiss, A.M., Ph.D.....*Dean*
Fred Homer Clutton, A.M.....*Secretary*

Earl Dean Howard, A.M., Ph.D....*Assistant Professor of Economics*
Seymour Walton, A.B., C.P.A.....*Lecturer in Accounting*
Henry G. Phillipps, C.P.A.....*Lecturer in Accounting*
Alfred William Bays, A.B., LL.B.....*Lecturer in Commercial Law*
Frederick Shipp Deibler, A.M.....*Instructor in Economics*

Board of Guarantors

Alfred L. Baker
Adolphus Clay Bartlett
Harold Bennington
J. W. Brooks
Charles L. Brown
R. S. Buchanan
Edward B. Butler
J. Fred Butler
Fayette S. Cable
E. J. Cady
James Robert Cardwell
John Alexander Cooper
Joseph H. DeFrees
A. Lowes Dickinson
Herman J. Dirks
George W. Dixon
William Andrew Dyche
Charles W. Folds
David R. Forgan
Edward E. Gore
Richard C. Hall
William F. Hypes
J. Porter Joplin
William Kendall
Edward Chester Kimbell
Charles S. Ludlam
John Lee Mahin
Charles A. Marsh
James Marwick
Stephen T. Mather
L. Wilbur Messer
E. M. Mills
S. Roger Mitchell
Arthur G. Mitten
Luman S. Pickett
Ernest Reckitt
William Hinman Roberts
Isadore B. Rosenbach
Albert W. Rugg
Joseph Schaffner
Charles H. Schweppe
John W. Scott
Elijah W. Sells
Archibold Wilkinson Shaw
George A. Sheldon
Allen R. Smart
Mason B. Starring
Joseph E. Sterrett
Homer A. Stilwell
Seymour Walton
Harry A. Wheeler
L. L. White
John T. Wilder
T. Edward Wilder
Orville G. Williams
Henry W. Wilmot
H. A. Winterburn
Arthur Young

Executive Committee

John Alexander Cooper, William Andrew Dyche, Richard C. Hall, J. Porter Joplin, L. Wilbur Messer, Joseph Schaffner, Allen R. Smart.

ADMISSION AND INSTRUCTION

Applicants must be at least eighteen years of age. Every candidate for admission who has not completed a high school course or its equivalent is asked to submit a detailed statement of his training and business experience, after which admission to the various classes depends upon the applicant's probable ability to pursue the work with profit.

Plans are under consideration for the establishment of a degree course for admission to which two years of college credit will be required.

Courses of Instruction

The work of the first year of the diploma course is composed of the four subjects, Accounting, Commercial Law, Economics, and Finance. The work of the second and third years is, for the most part, elective. The required subjects are designed to equip the student with the fundamental principles applicable to business in general, after which he will adapt his course to the kind of business he is preparing to pursue. The subjects outlined below indicate the range of work for the second and third years. Additions and alterations will be made as experience may suggest. Elective courses are announced with the understanding that they will be given only on sufficient registration. The courses given during the year 1908-1909 are so designated.

Business Organization

The courses in this subject come under two groups: first, those dealing with the different divisions of large business concerns; second, courses dealing with principles and practice applicable to special lines of business. The aim is to bring to the use of students, experience obtained in successful business undertakings.

Establishment and Management of a Business.—Factors determining the time and place of opening a business; policy of management towards laborers; the organization of departments; expansion through branch concerns; tests of efficiency of branches; large scale production; development of markets; disposal of surplus product; cultivation of foreign markets; relation between producing and finance elements in large business; consistency of general executive policy.

Advertising.—Relative advantages of advertising media; relation

of volume and character of periodical circulation to advertising value; quality of publicity and its adaptability to different kinds of goods; mechanical and artistic elements in advertising; psychological basis of advertising.

SALESMANSHIP.—Principles of successful selling; psychological element in salesmanship; study of customers' wants; salesmanship by letter; organization of national and international selling agencies; successful selling policies.

INSURANCE.—Development of the insurance feature in modern business; importance of the different kinds of insurance in business organization; mathematics of insurance; kinds of policies; contrasts between life and fire insurance; liability insurance, investment of insurance funds; state regulation.

SPECIAL COURSES IN INSURANCE.—It is expected that courses dealing with various kinds of insurance will be organized for the benefit of advanced students who are preparing to devote themselves to particular lines of insurance business.

TRANSPOTRATION.—A study of different railway systems as concerns their location; the traffic conditions; relation of different kinds of traffic; principles and practice in rate making; territorial classification of rates, terminal charges. Executive management and general policy of railroad systems. Government regulation; problems of railway management presented by state and federal regulation.

SPECIAL COURSES IN TRANSPORTATION.—The specialization of the railway business will probably necessitate dividing the work into a number of different courses. The converging of great railroad systems with their central offices in Chicago offers peculiar opportunities for work in this field.

MERCHANDISING.—The organization of wholesale and retail trades; credits; co-operation of dealers through commercial organizations; organization of leading wholesale and retail establishments; their division into departments, buying and selling policy; methods of holding departments responsible; general executive policy. Frequent lectures by experienced merchants will supplement the regular class exercises.

PUBLISHING.—Publishing as an independent industry and as an adjunct to modern business. Organization of typical publishing institutions; organization of different branches of the business, as book publishing, newspaper publishing, magazine publishing, relation of publishing to other lines of business.

REAL ESTATE.—Principles and practice involved in the management of real property; factors determining the value of real estate; residence neighborhoods, suburban real estate; real property and transportation facilities; effect of location and arrangement of streets; business properties; office buildings. Practice connected with the purchase

and sale of real estate; methods of acquiring title; conditional sale; usage concerning landlord and tenant; relation of real estate transactions to contracting and building enterprise.

The Law of Real Estate.—The law of real estate is treated under the law of commerce.

Accounting

Mr. Walton and Mr. Phillips

Intermediate Course.—Principles and procedure of modern accounting methods; partnership accounts; corporation accounts; receivers and executors accounts; bankers and brokers accounts. A knowledge of routine bookkeeping and primary accounting is required. Given in 1908-1909. Friday evenings, 7 to 9. Mr. Phillips.

Advanced Course.—Scientific analysis of problems in practical accounting, theory and auditing; municipal, public utility, and insurance accounts; manufacturing accounts and cost keeping. Students who complete this course successfully are prepared for the state examination leading to the degree of Certified Public Accountant. Given in 1908-1909. Monday evenings, 7 to 9. Mr. Walton.

Higher Accounting.—A continuation of the Advanced Course, intended for students who expect to follow accountancy as a profession. Specialized courses in Higher Accounting will be given in response to specific demand.

Finance

Professor Howard

Elementary Course.—The place of Finance in our economic system; principles of money; description of monetary systems; function of banks; relation of banks to speculation; panics and financial crises. Given in 1908-1909. Tuesday evenings, 7 to 9. Professor Howard.

Corporation Finance and Investments.—The economic function of corporations; their promotion, organization and legal status; the marketing of securities; corporation securities as investments; brokerage: its relation to speculation and investment; stock exchanges; public regulation of the brokerage business. Given in 1908-1909. Wednesday evenings, 7 to 9. Professor Howard.

Special Courses in Finance.—Specialized courses in particular branches of Finance will be organized as demand occurs, to meet the needs of students who are preparing to engage in banking or brokerage business.

Law of Commerce

PROFESSOR HOTCHKISS AND MR. DEIBLER

FIRST YEAR COURSE.—Contracts, commercial paper and agency, with such study of the legal principles as will be of practical assistance to the student in his business affairs. Given in 1908-1909. Thursday evenings, 7 to 9. MR. BAYS.

SECOND YEAR COURSE.—Partnership, corporations, suretyships, carriers, sales, and bankruptcy.

ADVANCED COMMERCIAL LAW.—This work, for the most part, will be of a specialized nature and will involve a further study of corporation law, real estate law, and other specialized branches for which there is specific demand.

Economics

PROFESSOR HOTCHKISS AND MR. DEIBLER

ELEMENTARY COURSE.—Application of sound economic reasoning to the practical affairs of business life; a study of the principles of value as manifested in different lines of business and the application of those principles to specific business problems. Given in 1908-1909. Wednesday evenings, 7 to 9. PROFESSOR HOTCHKISS.

ECONOMIC PROBLEMS.—Problems arising from the present industrial system; improved methods or production; the development and preservation of resources; industrial classes; standard of living; labor problems; business organization and consolidation of capital.

ECONOMIC GEOGRAPHY AND FOREIGN TRADE.—Comparison of the resources and leading industries of different countries; trade conditions arising out of the business systems of different countries; organization of ocean commerce; tariffs and the development of international trade; study of foreign countries as markets for American goods, and as places of investment for American capital.

PUBLIC RELATIONS OF BUSINESS.—The public influence of large business concerns; the business man as citizen; civic functions of commercial bodies; business in relation to the government; government regulation of industries; public service industries; the effect of public service industries upon the business condition of the city; critical discussion of the object, efficiency, and general policy of public regulation.

Additional Courses

Courses in Business English, Commercial German, Commercial Spanish, Industrial Chemistry, Industrial Engineering, Economic Geology, and other courses not included in a general course in Commerce, but indispensable for certain lines of business are offered in response to specific demand.

GENERAL STATEMENTS

Special Lectures

Members of the Board of Guarantors and other men prominent in business and professional life give, from time to time, general lectures to all the students in the school. The regular courses provide for frequent lectures by men who, from their experience, are able to speak authoritatively upon the practical side of subjects under discussion.

Credit in Other Schools of the University

Upon fulfillment of entrance requirements and payment of matriculation fee, students in the School of Commerce may be entered as candidates for degrees in any School of the University. Upon vote of the Faculty of another School of the University, work in the School of Commerce may be credited toward fulfilling the requirements for a degree in that School if such work is along lines covered by the curriculum of the said School.

Day Work

It is not proposed to confine the work in commerce to students in evening courses. A large proportion of the subjects which should come within the scope of a day course in commerce are now offered at Evanston, in the College of Liberal Arts, as described on pages 82 to 84. It is expected that the courses in the School of Commerce will be supplemented by courses at Evanston, and that students who enter college with the expectation of following a business career will be enabled to pursue a consecutive course of study. This arrangement, which permits the student to take his professional work in Chicago, offers advantages that will be readily appreciated.

Consular Service

The curriculum of the School of Commerce is not specifically arranged to meet the demands of consular examinations now in force, but individual courses offered in the School of Commerce, the College of Liberal Arts, and Law School furnish the preparation required. A special course is contemplated for students who are preparing for the consular service.

Graduation and Diploma

The trustees of Northwestern University upon recommendation of

the Faculty of the School of Commerce grant a diploma to students who have completed satisfactorily its prescribed courses.

Degree of Certified Public Accountant

By act of the General Assembly passed May 15, 1903, provision is made for a state examination for the degree of Certified Public Accountant. Before the School of Commerce was established, the Illinois Society of Certified Public Accountants had long contemplated founding a school in which should be given the work necessary to prepare for this degree. One of the results of commercial development during the last generation has been the growth in importance of the accounting profession. A knowledge of accountancy is becoming almost indispensable to the successful conduct of every business. Business efficiency demands, moreover, that the professional accountant shall be a man of broad training and of recognized professional standing parallel to that of the lawyer and the physician. The close connection of the School of Commerce with the leading men of the profession will enable it not only to meet the demands of the present law, but to set a high standard of professional training.

Fees and Expenses

Tuition is divided into four special installments, payable October 12, 1908, December 7, 1908, February 15, 1909, and April 5, 1909. Students who become candidates for a degree will be required to pay the matriculation fee of five dollars.

The tuition fees in the School of Commerce are as follows:

Full diploma course, four evenings a week.....$75.00 a year
Three subjects, three evenings a week..... 60.00 a year
Two subjects, two evenings a week..... 45.00 a year
One subject, one evening a week..... 25.00 a year

Beginning September, 1909, tuition will be payable each half year in advance.

Address correspondence to The School of Commerce, Northwestern University Building, Lake and Dearborn Streets, Chicago.

THE SCHOOL OF ORATORY

PREPARATORY SCHOOLS

THEOLOGICAL SCHOOLS

THE SCHOOL OF ORATORY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D. . . *President of the University*
ROBERT MCLEAN CUMNOCK, L.H.D. . . . . *Director*

ROBERT MCLEAN CUMNOCK, L.H.D. . . . . *Instructor in the Laws of Vocal Expression and Dramatic Action*
AGNESS LAW. . . . . *Instructor in Dramatic Action and Expression*
RALPH BROWNELL DENNIS, B.L. . . . . *Instructor in Dramatic Art and Presentation*
CORINNE AGNES COHN. . *Instructor in Didactic Reading and Personation*
ISABELLA LOVEDALE. . . . . *Instructor in Voice Culture and Interpretation*
ANNA GERLS PEASE. . . . . *Instructor in English Literature and Rhetoric*
JULIA BETH FARRELL. . . . . *Instructor in Reading and Dramatic Training*
JOSEPHINE FRANCES MCGARRY. . *Instructor in Orthoepy and Forensics*
LAURA LEE. . . . . *Instructor in Physical Training*

The Northwestern University School of Oratory was organized in 1878 and occupies Annie May Swift Hall on the Campus at Evanston. It is under independent management, but is in close affiliation with the University. The regular course of study covers a period of two years, and offers extended and advanced training in Elocution, English, and Physical Training.

Students satisfactorily completing the regular course, and those completing the post-graduate course are awarded diplomas by the University.

Students in the College of Liberal Arts, by giving care to the selection of their course, may be enabled to graduate from the School of Oratory and from the College of Liberal Arts in five years. Some students, with industry and application, complete the combined course in four years.

The cost of instruction is fifty dollars a term, payable in advance. This fee entitles the student to two private lessons a week, in addition to the regular courses.

For information regarding the School of Oratory address R. L. Cumnock, Annie May Swift Hall, Evanston, Illinois.

PREPARATORY SCHOOLS

EVANSTON ACADEMY

Evanston Academy is situated on the University campus directly on the lake shore, in Evanston, and occupies Fisk Hall, which was erected in 1898. The special work of the school is to prepare students for college and technical schools. Besides this special work a general academic education is offered to those who cannot take a regular course, but who wish to prepare themselves for the study of law or of medicine, or for teaching in the public schools, or for business.

As a member of the North Central Association of Colleges and Secondary Schools the Academy has accredited relations with all the leading colleges and universities of the middle west. It has established special accredited relations with Eastern universities that admit students by certificate.

The course of study extends through four years. Students who give satisfactory evidence of having done thoroughly a part of the course before entering are credited with that work. Students completing the course are admitted to the College of Liberal Arts on certificate of the Principal. The Academy provides instruction adequate for admission to college in the English, French, German, Spanish, Latin, and Greek languages, in mathematics, history, and civics. It has an extensive Manual Training equipment and ample rooms completely furnished with apparatus for laboratory instruction in chemistry, mechanical and electrical physics, zoölogy, botany, and physiography. A new course of study preparing for business or college includes the fundamental subjects of a college preparatory course with others looking toward commerce. The latter subjects constitute about one-third of the course, and are accepted by Northwestern University for admission to the College of Liberal Arts.

Hatfield House, the Academy dormitory for boys, is a comfortable, well-administered home for about twenty-five boys. The house master, who is a member of the Faculty, and a matron are in charge. The house is modern in its equipment—heating, plumbing, filtered water, bathing facilities. Students coming to the Academy from a distance, not earning their way nor residing with relatives, are required to live in the House.

GRAND PRAIRIE SEMINARY

Grand Prairie Seminary is a preparatory school founded in 1863 and affiliated with Northwestern University in 1901. It is well endowed and maintains a high standard of scholarship. It is situated in Onarga, Illinois, on the main line of the Illinois Central Railway, eighty-four miles south of Chicago. The town is an ideal place for a school, having no saloons, and the community is noted for its high moral tone. There is a Public Library, which is at the service of the members of the School.

The equipment of the Seminary consists of three buildings, a Recitation Hall for class instruction; an Auditorium for public exercises, musical, oratory, and art instruction; a Gymnasium and Domestic Science Hall now building; and a Woman's Dormitory and Boarding Hall. The school has a library of carefully chosen volumes of standard works of reference on science, history, biography, and literature. It has laboratory facilities for instruction in physics, zoölogy, botany, and chemistry. The Seminary offers courses in the Academic Department, Normal Department, School of Business, School of Music, Department of Oratory, Art Department, School of Domestic Science and Economy, and Gymnasium.

ELGIN ACADEMY

Elgin Academy was first opened to students in December, 1856, in a commodious building erected the previous year. Its charter, originally granted in 1839, was revised in 1855, and in this amended form is still in force. In 1903 it became an affiliated school of Northwestern University.

The Academy is situated in the most healthful part of the City of Elgin, a town of 25,000 inhabitants, on the Chicago, Milwaukee and St. Paul and the Chicago and Northwestern Railways, about forty miles from Chicago. The campus, covering an area of four acres, presents an attractive view. The main building for the regular academic work is an imposing three-story brick structure. It is heated by steam throughout, lighted by electricity, and has the city water on two floors. The rooms are large, airy, and well lighted.

A large three-story building of brick, erected in 1888 through the generosity of Mrs. Vincent S. Lovell, for manual training purposes, is now used for science work and is known as the Lovell Science Hall.

This Academy offers to young men and young women excellent opportunities for a scholarly and practical education. Students are prepared for the leading colleges or for business. The surroundings are those of refinement and of Christian living.

EVANSTON ACADEMY FACULTY

Abram Winegardner Harris, Sc.D., LL.D. ..*President of the University*
Herbert Franklin Fisk, D.D., LL.D.....*Principal Emeritus*
Arthur Herbert Wilde, S.T.B., Ph.D.....*Principal*
Ada Townsend, A.M.....*Instructor in Latin*
Julia Eareckson Ferguson.....*Instructor in Drawing*
Clara Grant, Ph.B.....*Instructor in English*
Carla Fern Sargent, A.M.....*Instructor in History*
Jane Neill Scott, A.M.....*Instructor in Latin*
Lewis Hart Weld, A.M.....*Instructor in Biology*
Helen A. S. Dickinson, Ph.D.....*Instructor in German and French*
Raymond Royce Hitchcock, A.B.....*Instructor in Mathematics*
George Ernest Stanford.....*Instructor in Manual Training and Mechanical Drawing*
Isaac Merton Cochran, A.M.....*Instructor in English and Debating*
Lloyd Clinton Holsinger, A.B.....*Instructor in Mathematics*
George Orin Schryver, A.M.....*Instructor in German*
Olin David Parsons, E.E.....*Instructor in Physics*
Harold Glenn Moulton, Ph.B.....*Instructor in Commercial Science*
Harriet Gertrude Norton, Ph.B.....*Instructor in German*
Oscar Emmanuel Swanson, B.S.....*Tutor in Mathematics*
Edward Torres.....*Tutor in Spanish and English*
Aubrey Shannon Moore.....*Tutor in Penmanship*
Louise Jeanette Dalbey.....*Tutor in English*
Helen Church...*Instructor in Stenography, and Office Stenographer*
Florence Alberta Stockley, B.S.....*Instructor in Latin, and Office Secretary*

GRAND PRAIRIE SEMINARY FACULTY

Abram Winegardner Harris, Sc.D., LL.D. ..*President of the University*
Henry Hoag Frost, A.B.....*Principal*
Don Cameron Allen, B.S., A.B.....*Instructor in Science*
James Campbell.....*Director of Conservatory*
Florence Wallace, B.S.....*Preceptress, Instructor in English*
John Christian Springman.....*Principal of School of Commerce*
Jessie Ota Talbert.....*Assistant in Commercial Branches*
Caroline Isaacson, A.B.....*Instructor in German and History*
Joseph Wison Green.....*Instructor in Pedagogy*
Grace Gilbert.....*Instructor in Oratory*
Blanche Marie Davidson.....*Assistant Instructor in Oratory*
Lenore Hoeft.....*Instructor in Voice Culture*
Sarah Seabrook.....*Director of School of Art*

ELGIN ACADEMY FACULTY

ABRAM WINEGARDNER HARRIS, Sc.D., LL.D. . . *President of the University*
GEORGE NEWTON SLEIGHT, A.B., B.Pd. . . . *Instructor in Greek; Principal*
FLORENCE SARAH RAYMOND, B.S. . . . . *Instructor in Mathematics*
LUTHERA EGBERT, Ph.B. . . . . *Instructor in English*
RUTH WHITNEY BARKER. . . . . *Instructor in Stenography*
ROBERT ARCHIBALD CAMPBELL, B.S. . . . . *Instructor in Physics, Chemistry, and Botany*
LAURA FOSTER ULLRICK, A.M. . . . . *Instructor in History; Librarian*
LAURA EVELYN MORAN, B.O. . . . . *Instructor in Elocution*
PEARL ALMA DUNBAR. . . . . *Principal of the Preparatory Department*
OLIVER JOEL PENROSE. . . . . *Director of Commercial Department*
IRENE ELECTRA MORGAN. . . . *Instructor in Stenography and Typewriting*
ARTHUR NELSON JULIAN, A.B. . . . . *Instructor in German*
STELLA A. TREADWELL, A.B. . . . . *Instructor in Latin*
GRACE MARGARET RAYCROFT. . . . . *Secretary to the Principal*

For further information address, Evanston Academy, Evanston, Illinois; Grand Prairie Seminary, Onarga, Illinois; Elgin Academy, Elgin, Illinois.

GARRETT BIBLICAL INSTITUTE

Charles Joseph Little, Ph.D., LL.D., S.T.D., *Professor of Historical Theology; President*

Milton Spenser Terry, A.M., D.D., LL.D., *Professor of Christian Doctrine*
Solon Cary Bronson, A.M., D.D., *Cornelia Miller Professor of Practical Theology; Registrar*
Charles Macauley Stuart, A.M., D.D., Lit.D., *Professor of Sacred Rhetoric; Secretary*
Doremus Almy Hayes, Ph.D., S.T.D., *Professor of New Testament Exegesis; Librarian*
Frederick Carl Eiselen, Ph.D., D.D., *Professor of Semitic Languages and Old Testament Exegesis*
Robert McLean Cumnock, A.M., L.H.D., *Professor of Elocution and Oratory*
John Jacob Rapp, A.B., B.D.....*Instructor in Greek and Hebrew*
Nels Edward Simonsen, A.M., D.D., *Principal of the Norwegian-Danish Theological School*
Cassius Marcius Wood.....*Assistant Librarian*

The University has no theological school under its own control, but from the beginning has recognized Garrett Biblical Institute as meeting the needs of a theological department. There is a liberal interchange of work between the College of Liberal Arts and the Institute. Properly qualified students in either school are admitted to classes in the other without tuition fees, upon the recommendation of their respective faculties.

Garrett Biblical Institute received its charter in 1855. It is situated in Evanston, upon the University campus, and is open to young men from any evangelical church who are properly recommended as candidates for the Christian ministry. It was established especially as a seminary where young men of this class from the Methodist Episcopal Church might be educated. It is supported by income from property in the city of Chicago, bequeathed in 1853 as a perpetual foundation by Mrs. Eliza Garrett. It invites to its care and instruction young men in the Church whom God has called to be His ministers.

NORWEGIAN-DANISH THEOLOGICAL SCHOOL

This School, established to prepare men for the ministry among the Norwegian-Danish people, offers an opportunity to pursue theological studies in the English and Norwegian-Danish languages. Students are received on the recommendation of their conferences. A commodious and substantial building, containing dormitories and a dining-hall, has been erected by the Norwegian and Danish people for the use of students of the school.

The course of study extends through three years. Oral and written examinations are held at the close of each year, and those who complete the entire course in the Norwegian-Danish language are granted a certificate.

A close relation exists between Garrett Biblical Institute and the Norwegian-Danish Theological School. By an arrangement formally entered into, the students of the latter school may take the entire course of study of the Institute, substituting instruction in one or more branches in their own tongue under Principal Simonsen. Upon the satisfactory completion of the course thus pursued, they are graduated from Garrett Biblical Institute.

ADMISSION AND INSTRUCTION

Those who enter should have a thorough preparation. This can be obtained to advantage in the College of Liberal Arts. Graduates of approved colleges are admitted to the degree courses upon presentation of diplomas. Students not graduates of colleges are admitted by examination in classical and literary subjects. Applicants for admission to Diploma Courses must present certificates from approved high schools or academies, or pass an examination in the studies prescribed by the Bishops of the Methodist Episcopal Church for admission to an annual conference.

Applicants not licensed to preach are received on the recommendation of their respective quarterly conferences, or temporarily, on a note from their pastors, promising the recommendation in due time. The form of recommendation authorized by the General Conference of the Methodist Episcopal Church is as follows:

We, the members of the Quarterly Conference of..... hereby express our judgment that.....is called of God to the work of the ministry, and we recommend him to the care and instruction of Garrett Biblical Institute.

Applicants from other churches are admitted on such certificates as are usually given by the denominations to which they belong. Students from other theological seminaries may be admitted on pre-

senting satisfactory testimonials of equivalent work and honorable dismissal.

Exegetical Theology

Biblical Philology.—Hebrew and Greek Languages, and their cognates.

Biblical Introduction.—Canonics, Criticism, higher and lower, Sacred Literature.

Biblical Archaeology.—Chronology, Ethnology, Geography, Antiquities.

Hermeneutics.—(1) *General*: Study of Words, Grammatical Forms, Styles. (2) *Special*: Study of Figurative Language, Parables, Allegories, Types, Symbols, Prophecy, Apocalyptics.

Exegesis.—Critical and expository study of the several books of the Bible.

Biblical Theology.—Development of Biblical Doctrine as distinct from Historical and Systematic Theology.

Historical Theology

Sources.—Canonical and Apocryphal books of the Bible, Pseudepigraphal books, sacred books of all nations. Archæological Monuments, Patristics, Symbolics, Liturgics, and Hymnology.

External Development of the Kingdom of God.—Pre-Christian History of Israel and the Nations. Patriarchal period, Mosaic, Priestly, Regal, and Prophetic development, and Post-exilian Judaism, life and work of Christ, the Apostolic Age; the ancient, mediæval, and modern periods of the Christian Church.

Internal Development.—Religious life and thought of the church, its progress through the centuries, History of Doctrines, Comparative Religion and Theology, and Sociology.

Systematic Theology

Psychology; Ontology; Apologetics; Dogmatics; Polemics; Irenics; Ethics.

Practical Theology

The Ministry as an Institution.—Its calls, functions, qualifications, preparation, maintenance, perils, safeguards.

Homiletics.—History, science, and art of preaching, praxis, homiletical study of great preachers.

Liturgics.—Forms of worship, conduct of services, administration of the Sacraments.

Ecclesiastical Polity and Law.—Forms of church government, judicial administration, discipline.

Pastoral Theology.—Catechetics: Training of children, educational functions of the church, Sunday-schools. Poimenics: Pastoral care, details of the pastoral office. Church Activities: Adaptation of the machinery of the church to existing needs, benevolent work and social life of the church, employment of lay agencies, study of other religious institutions in their relations to our own.

Halieutics.—Evangelistic methods, domestic and foreign missions.

COURSES OF STUDY

The courses of study offered come under two headings, Degree Courses and Diploma Courses. Candidates for the degree of Bachelor of Divinity or for the diploma of the Institute must complete in residence at least one year of fifteen hours a week in three or more departments of the Institute, arranged with the approval of the Faculty. No credit is allowed for work done *in absentia* or by correspondence.

Degree Courses

The Degree Courses are two: one leading to the degree of Bachelor of Divinity, the other to the degree of Doctor of Philosophy.

Bachelor of Divinity.—The course for the degree of Bachelor of Divinity is a three years course arranged for classical graduates of approved colleges. Applicants, upon registration, are required to present their diplomas. Students, not graduates of colleges, may be admitted to this course, if, by examination not later than the close of the first term, they satisfy the Faculty of their classical and literary fitness to complete it.

Candidates for the degree of Bachelor of Divinity may elect Old Testament studies in English instead of work in Hebrew. In the senior year Elocution is the only required study.

Doctor of Philosophy.—A resident course of study leading to the degree of Doctor of Philosophy is offered to college graduates under the regulations prescribed on page 127. Four years are required as a *minimum* for this degree; three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

Diploma Courses

Students who complete one of the following courses of study, each of which requires three years, receive the diploma of the Institute.

THE GREEK AND HEBREW COURSE.—This course is intended for those who desire to read and understand the Scriptures in the original, but are not prepared for the Degree Course. Greek is taught during three years, beginning with the elements. Hebrew is taught during the second and third years, beginning with the elements. The Greek class in exegesis reads the Synoptic Gospels and the Acts in the senior year. The Hebrew class reads the poetical books of the Old Testament. In other departments this course is substantially the same as the Degree Courses.

THE GREEK AND ENGLISH COURSE.—English exegesis is substituted for Hebrew in this course; it is in other respects the same as the Greek and Hebrew Course.

THE ENGLISH COURSE.—Training in the English Language, in Rhetoric, Logic, and Psychology takes the place of the study of elementary Greek and Hebrew, and English exegesis of the Scriptures is given instead of the study of the poetical books in Hebrew and of the Synoptic Gospels and Acts in Greek. In Systematic, Historical, and Practical Theology, Elocution, and Sociology, the studies of the English Course are the same as in the other diploma courses.

GENERAL STATEMENTS

Methods of Instruction

The methods of instruction include recitations, lectures, and free discussion. Emphasis is laid upon elocution, which is required through three years.

Public lectures and addresses, covering all the topics that relate to the work of Christian scholars and pastors, are given from time to time by distinguished persons before the Faculty and students.

College graduates enjoy exceptional advantages. In several departments, conspicuously in the Exegetical and Historical, they are formed into separate classes. They are encouraged and helped to make special investigation, and they receive from their professors continued personal attention in their chosen line of study. They have access, upon the recommendation of the Institute Faculty, to classes of the College of Liberal Arts.

Diploma students are accorded the largest privilege of election. They may devote their energies to those studies for which they are best adapted, assured that they will receive thorough instruction, and will be held to high standards.

STUDENT SOCIETIES

During the year 1898, a Young Men's Christian Association affiliated with the World's Christian Student Federation was organized.

The Literary Department aims to stimulate theological and literary studies by exercises in composition, criticism, and extemporaneous speaking. The Missionary Department furnishes information on Home and Foreign Missions, and keeps alive the missionary spirit among the students by weekly meetings and by occasional public meetings and lectures.

BUILDINGS AND EQUIPMENT

Libraries.—The number of volumes in the Institute and University Libraries is about eighty-five thousand. Reading-rooms are connected with both libraries, and are supplied with the important dailies, weeklies, monthlies, and quarterlies, in general and theological literature.

Memorial Hall.—Memorial Hall contains a large chapel, a library and reading-room, six lecture-rooms, with private rooms for professors, and a fire-proof vault for valuable books and papers.

Heck Hall.—In Heck Hall, the dormitory, the rooms are in suites, consisting of study, bed-room, and wardrobe, and are furnished with tables, book-cases, bureaus, stands, chairs, bedsteads, and mattresses. Students supply the other furnishings.

FELLOWSHIPS AND SCHOLARSHIPS

Fellowships.—The Faculty have recommended to the Trustees the founding of a Fellowship for post-graduate study abroad or at home. The Fellowship is to be awarded to those graduates of future classes who excel sufficiently in ability and attainments to warrant the devotion of their lives to special studies in Theology. The amount of the Fellowship will be $500.

The Wetherell Scholarship, the gift of Mr. S. N. Wetherell, of Crown Point, Indiana, yielding an income of about $50.00 a year, is awarded annually to a student recommended by the Faculty.

The Luke Hitchcock Scholarship was provided by Mrs. E. Crane Wilson, Mrs. Charles H. Fowler, and Mrs. Archer Brown, as a memorial to their father, the Rev. Luke Hitchcock, for many years a trustee of Garrett Biblical Institute. The annual income of $100.00 is given to a student who is selected by the President of the Institute, and engaged in one of the City Missions in Chicago.

EXPENSES

Young men who have learned to earn and save money often work their way unaided through college and the theological school. The

means of self-help in and around Evanston are casual; but many earnest and persevering students, with tact and helpfulness, find, and even create, opportunities. To these help is rendered as far as practicable. Some sixty or seventy appointments for preaching have been made available to competent preachers among the students. Circumstances require that promises of aid shall be made with caution, and to the extent only of the ability to meet them. The institution covets consecrated young men who never quail in the presence of difficulties, and its aim is to aid them in every useful way. The Board of Education of the Methodist Episcopal Church renders efficient help by loans. The Sarah Stewart Fund, yielding four hundred dollars a year, is for the benefit of approved candidates for missionary fields.

Tuition and rooms are free to regular theological students. Each student occupying a room in Heck Hall is charged an incidental fee of twenty dollars a year, payable half-yearly in advance, for curator's service, fuel for public rooms, and general repairs. Other students pay, half-yearly in advance, a fee of five dollars a year.

For further information regarding Garrett Biblical Institute, address the Registrar, Memorial Hall, Evanston, Illinois.

For information regarding the Norwegian-Danish School, address Norwegian-Danish Theological School, Evanston, Illinois.

SWEDISH THEOLOGICAL SEMINARY

Reverend Albert Ericson, A.M., D.D., *President*

The Swedish Theological Seminary began its work in 1870 at Galesburg, Illinois. In 1881 it was moved to its present permanent home in Evanston. It is now established in a substantial and commodious building on its own campus fronting on Orrington Avenue. Its students are admitted to all the advantages of the departments of the University. It is under the supervision of the five Swedish Conferences in the United States of the Methodist Episcopal Church, and is the only school of its kind in that Church.

The aim of the School is to do practical work in helping young men toward success in the ministry. It was called into existence to meet the urgent and increasing demand for educated pastors and missionaries among the Swedish people in the United States.

The Seminary is supported by the income from an educational fund, collected mainly among the Swedish Methodist churches in the country.

The regular course of study in the Seminary is broad and practical and requires four years. Progress in studies is determined by examination, written and oral. On the satisfactory completion of the full course of study, students receive the Seminary diploma. There is no charge for tuition.

The continued demand for preachers among the Swedish people in this country makes it an imperative duty for the Church to maintain a special institution of learning, where suitable men can be educated for the Swedish ministry, both for the regular pastorate and as missionaries to the multitude of Swedes scattered all over the country.

Students are received on the recommendation of their Quarterly Conferences.

For further information address the President, Swedish Theological Seminary, Evanston, Illinois.

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COLLEGE OF LIBERAL ARTS

Fellows

CLINE, JUSTUS HENRY.....Geology.....Bridgewater, Va.
A.B. Bridgewater College 1899

DINES, CHARLES ROSS.....Mathematics..... Quincy
A.B. Northwestern University 1908

HAILE, CHARLES HENRY.....Greek..... Evanston
A.B. Northwestern University 1908

HENKE, FREDERICK GOODRICH.....Philosophy.....Charles City, Ia.
A.B. Charles City College 1897. A.M. Northwestern University 1908

JOHNSON, HEBER DAYTON.....Literature.....Mapleton, Utah
A.B. Northwestern University 1908

STEPHENS, VIRGIL RAY.....Zoology..... Aledo
B.S. Northwestern University 1908

Resident Graduate Students

ABERNETHY, FLOSSIE A.....English Literature.....Spokane, Wash.
B.S. Northwestern University 1907

ALMAN, JOHN ERNEST.....History..... Salina, Kans.
Ph.B. Kansas Wesleyan University 1907

ALSAGER, C. MARTIN.....Law..... Chicago
A.B. Lombard University 1899, LL.B. Northwestern University 1908

ARNOLD, EARL CASPER.....Law.....Iola, Kans.
A.B. Baker University 1906

ARTHUR, WILLIAM REED.....Law..... Chicago
A.B. Washburn College 1899

BAKER, MARGARET.....German..... Centerville, Ia.
B.S. University of Chicago 1898, M.S. 1902

BATTERSON, ELMER SAMUEL.....Economics .....Chicago
B.S. Northwestern University 1896, M.S. 1898

BEATTY, FRANK M.....Law.....Thomburg, Ia.
A.B. Iowa Wesleyan University 1904

BOGARDUS, EMORY STEPHEN.....Philosophy..... Belvidere
A.B. Northwestern University 1908

BOOT, ESTELLE HALLEM BENNETT...Philosophy..... Evantson
B.L. University of South Dakota 1896

BOOT, ESTELLA MAY.....Latin..... Evanston
A.B. University of South Dakota 1901

BRAGDON, SARAH FRANCES.....Romance Languages..... Evanston
A.B. Northwestern University 1908

BROWN, DORA TAGGART.....English Literature...White City, Kans.
B.L. Baker University 1898

CAMPBELL, EDNA BRONSON.....Latin..... Evanston
A.B. Northwestern Uinversity 1902

CANNON, LUCILE FOLLETT.....Greek..... Oak Park
A.B. Northwestern University 1906

CHURCH, RALPH EDWIN.....Law..... Catlin
A. B. University of Michigan 1907

DAHM, THOMAS MATTHEW.....Physics..... McGregor, Ia.
A.B. Northwestern University 1908
EBERHARDT, VERA LLEILA.....Italian.....Salina, Kans.
A.B. Kansas Wesleyan 1908
EDMUNDSEN, EDWARD EVERETT.....Neurology..... Chicago
A.B. Strawn College 1896
EDWARDS, LYFORD PATERSON.....History..... Evanston
A.B. University of Chicago 1905
FIXEN, EFFIE VIRGINIA.....Botany..... Chicago
B.S. Northwestern University 1907
FORD, BURGESS .....History..... Helena, Mont.
A.B. Willamette University 1905
FORMAN, HERBERT S.....Law .....Evanston
B. S. University of Chicago 1904
FOSS, TOBIAS .....Philosophy..... Evanston
A.B. University of Norway 1901
FULLER, ETHEL INEZ.....Biblical Literature..... Galva
A.B. Hedding College 1908
GILBERT, SAMUEL HARVEY.....Law..... Armstrong
B.S. Northwestern University 1907
GOOD, VIOLETTE AMY.....History..... Chicago
B.S. Northwestern University 1907
GUST, JOHN LEWIS.....Law .....Mitchell, So. Dak.
Ph.B. Dakota Wesleyan University 1906
HAWLEY, MELVIN MOSES.....Law.....Kingsville, Ohio
B.S. Northwestern University 1907
HENKE, ARTHUR WILLIAM.....Philosophy.....Charles City, Ia.
A.B. Charles City College 1904
HENNESSEY, ENID .....Zoölogy..... Chicago
B.S. Northwestern University 1908
HIGGINS, DANIEL FRANKLIN, JR.....Geology..... Joliet
B.S. Northwestern University 1907
HILDEBRAND, LOUIS ERNEST.....Zoölogy.....Stendall, Ind.
A.B. University of Indiana 1904
HITCHCOCK, RAYMOND ROYCE.....Mathematics.....St. Cloud, Minn.
A.B. University of Wisconsin 1907
HOLLAND, ROBERT T.....Philosophy.....Scottsville, Ky.
A.B. Southern Normal School 1899
HOLSINGER, LLOYD CLINTON.....Mathematics..... Evanston
A.B. University of Michigan 1907
HUGGETT, LILLIAN GERTRUDE.....English Literature...Gallup, New Mex.
A.B. University of New Mexico 1906
JOCKISCH, ALBERT JULIUS.....German..... Decatur
A.B. Northwestern University 1908
LIMPER, HENRY WILLIAM.....Semitic Languages.....Kenosha, Wis.
A.B. German Wallace College 1907
LOWRY, CHARLES DOAK.....Educational Psychology.....Chicago
B.S. Northwestern University 1908
MCCORD, ROXIE BELLE.....English Language.....Pocahontas
A.B. Cornell College 1903
MAYNARD, CHARLES WESLEY.....Pathology.....Clear Lake, Ia.
A.B. Morningside College 1905
NORTON, HARRIET GERTRUDE.....German..... Evanston
Ph.B. Northwestern University 1903
PARSONS, OLIN DAVID .....Physics.....Susquehanna, Pa.
E.E. Syracuse University 1908
PIPER, CAROLYN .....History..... Berwyn
A.B. Northwestern University 1907

REARDON, NEAL DANIEL.....Law..... Delavan
A.B. University of Illinois 1900
RUSSELL, WALLACE BOYD.....Chemistry.....Oakville, Ky.
B.S. Bethel College 1905, M.D. University of Tennessee 1908
SAUER, CARL ORTWIN.....Geology.....Warrentown, Mo.
A.B., B.S Central Wesleyan College 1908
SCHRYVER, GEORGE ORIN.....German.....Fisher's Landing, N. Y.
A.B. Cornell University 1897
SIMONS, MAY WOOD.....Economics..... Evanston
Ph.B. University of Chicago 1905
STILES, HAROLD.....Physics..... Evanston
Ph.B. Kenyon College 1896, A.B. Harvard University 1904.
STOLTZ, KARL R.....Hebrew.....Grand Rapids, Mich.
A.B. German Wallace College 1907
VASEN, MAURICE ESCHNER.....Law..... Quincy
A.B. University of Illinois 1907
WEBER, ARTHUR LEO.....Pathology..... Summerfield
A.B. McKendree College 1907
WILSON, WILLIAM JEROME.....Greek.....Loraine, Ohio
A.B. Western Reserve University 1905
WILSON, RUTH COLVIN.....German..... Evanston
A.B. Northwestern University 1899

Non-Resident Graduate Students

GLOVER, BENJAMIN CURTIS.....Mathematics.....Farmintgon, Mo.
B.S. Northwestern University 1907
KING, JAMES SHERMAN.....German.....St. Paul, Minn.
A.B. Northwestern University 1901
PAARLBERG, MARY.....German..... Oakglen
A.B. Northwestern University 1902
PARSON, CHARLES WESLEY DARWIN. Physics .....Colorado Springs, Colo.
A.B. Cornell University, 1897
PAYER, JOSEPHINE .....Mathematics.....Anniston, Ala.
B.S. Northwestern University 1908
PIETSCH, DOROTHEA JOHANNA SOPHIEGerman..... Chicago
A.B. Northwestern University 1908
STEVENSON, OLLA .....German .....Huntington, Va.
B.L. Northwestern University 1902
UMBLE, JOHN SYLVANUS.....German.....Mt. Vernon, Ind.
A. B. Northwestern University 1906

Candidates for a Bachelor's Degree

ABERLE, MARIEL JULIA.....B.S.....Mansfield, O.
ADAMS, HELEN ELMA.....A.B..... Belvidere
ADAMS, JOHN WINFIELD.....B.S..... Albany
AINSWORTH, OLIVE .....A.B..... Watseka
ALDRICH, CHARLES ANDERSON.....B.S..... Evanston
ALDRICH, BENJAMIN MCCALL.....A.B..... Chicago
ALFORD, EDITH EVANGELINE.....B.S..... Gilman
AMIDON, AMY .....B.S.....Vandalia, Mo.
ANDERSON, DANIEL .....A.B.....Wahoo, Neb.
ANDERSON, MERL VIRGINIA .....A.B.....Preston, Minn.
ANDERSON, MILLS MALLALIEU.....A.B.....St. Louis, Mo.
ARMITAGE, CLYDE FOSTER.....A.B..... Elizabeth
ARMSTRONG, HOWARD JOSEPH.....B.S..... Chicago
ARNOLD, FRAZER .....A.B.....Warsaw, Ind.
ARNOLD, STANLEY .....B.S..... Peotone

Atchison, Hal	A.B.	Lovington
Atwell, Ruth Sarah	B.S.	Evanston
Babb, Alice	A.B.	Aurora
Baertschy, Della	A.B.	Dubuque, Ia.
Bailey, Ruth P.	A.B.	New Richmond, Ind.
Baird, Wilbur Stanley	A.B.	Peotone
Baker, Alice Lillian	A.B.	Highland Park
Baker, Bessie Louise	A.B.	Glencoe
Baker, Clara Belle	A.B.	Evanston
Baker, James C.	A.B.	Garrett, Ind.
Baker, Jessie Ada	A.B.	Flint, Mich.
Baldwin, Miriam Jeannette	B.S.	South Haven, Mich.
Ballard, Sallie Virginia	A.B.	Evansville, Ind.
Bannister, Ruth Delia	A.B.	Evanston
Barkemeyer, Arthur Edward	A.B.	Sedgwick, Kan.
Barker, Percival Howson	A.B.	Chicago
Barlow, Mae Martha	A.B.	Galva
Barnes, Alice May	A.B.	Evanston
Barnes, Flavel	A.B.	Pratt, Kan.
Barnes, Myrtie Adella	B.S.	Evanston
Barrows, Mabel Elise	B.S.	Chicago
Barth, William Philip	A.B.	Rock Island
Bartlett, Edward Clayton	B.S.	Evanston
Baxter, Sarah Edith	A.B.	Elvaston
Beale, Robert Lee	B.S.	Tama, Ia.
Beall, Florence Yolande	A.B.	Henry
Beall, Homer Honeywell	A.B.	Henry
Beazley, Cora Alice	B.S.	Evanston
Beck, Marshall	A.B.	Huntington, Ind.
Becker, Agnes Elizabeth	A.B.	Chicago
Becker, Gertrude	A.B.	Chicago
Beckett, Paul Afton	B.S.	Centralia
Bedell, Guy William	B.S.	Thomson
Bedker, Ebba Henrietta	A.B.	Muskegon, Mich.
Beebe, Lucia Jane	A.B.	Chicago
Beecher, Vern Adelbert	B.S.	Abingdon
Benjamin, Chester Nelson	B.S.	West Chicago
Benjamin, Henry Harrison	B.S.	West Chicago
Bent, Ruth Ann	B.S.	Wabash, Ind.
Benton, Marie Belle	B.S.	Indianapolis, Ind.
Berglund, Edward George	A.B.	Chicago
Bergman, Clarence Walter	B.S.	Chicago
Berryman, Vern Leroy	B.S.	Spring Valley, Minn.
Blackstone, Nina Luella	A.B.	Warren
Blades, William Fletcher	A.B.	Dubuque, Ia.
Blake, Albert Webster	A.B.	Amesbury, Mass.
Blattner, Helen Harland	B.S.	Pasadena, Cal.
Bleifuss, Walter Franklin	B.S.	Stewartville, Minn.
Blodgett, Vesta Electa	B.S.	Chicago
Blum, Joseph Max	B.S.	Chicago
Booz, Edwin George	B.S.	Evanston
Boren, John William	B.S.	Marinette, Wis.
Borst, Lillian	B.S.	Windom, Minn.
Boswell, Clarence Henry	B.S.	Rockford
Botkin, Anna Mae	A.B.	New Point, Mo.
Bowlus, Claude Arch	A.B.	Greenville, Mich.
Boyd, Byron Bennett	B.S.	Denver, Colo.
Brackett, Robert D.	A.B.	Sheridan, Mich.

BRADLEY, ALVIN PERCY.....B.S..... Evanston
BRECHET, BERTHA MARIE JULIA.....A.B.....Glencoe, Minn.
BREEDEN, RICHARD GILCHRIST.....B.S.....Lewiston, Idaho
BRINK, OLIVE MARGUERITE.....B.S..... Chicago
BROAD, ESTHER .....A.B.....Buffalo, N. Y.
BROAD, HAZEL RUBY.....A.B..... Momence
BRODFUEHRER, OSCAR MATTHIAS....A.B..... Chicago
BROEHL, LELAND PETER.....A.B..... Pana
BROOKE, PAULINE HARRIET.....A.B..... Evanston
BROWN, ALGY GLEN.....A.B..... Ava
BROWN, CHRISTY .....A.B..... Kenilworth
BROWN, FRANK CLAYTON.....A.B..... Pontiac
BROWN, HELEN CORA.....B.S.....Sioux Falls, So. Dak.
BROWN, LEON LEONARD.....A.B.....Cherry Valley
BROWN, ROBERT WESLEY.....B.S..... Chicago
BROWNELL, BAKER .....B.S.....St. Charles
BRUCE, RAY FORREST.....A.B.....Garrett, Ind.
BRUNS, HUGO CHARLES.....B.S.....Calumet, Mich.
BRYANT, AVIS .....A.B.....Hebron, Ind.
BRYANT, MABEL CAPTOLA.....B.S.....LaCrosse, Wis.
BUCHBINDER, JACOB RICHTER.....A.B..... Chicago
BUNCH, JESSE WILLIAM.....A.B.....Thayer, Ind.
BUNTON, GEORGIANA .....A.B .. .. Atlantic, Ia.
BURDETTE, JAMES CALVIN.....B.S..... Danvers
BURG, JOHN CHARLES.....B.S..... Evanston
BURKHARDT, WILLIAM ZAHN.....B.S..... Chicago
BURNETT, MARION EULALIE.....A.B.....Aberdeen, So. Dak.
CAMERON, JAMES RAY.....A.B..... Alexis
CAMP, CECIL LEROY.....A.B.....Espanola, Wash.
CAMPBELL, DONALD .....A.B..... Clinton
CAMPBELL, ERNEST JUSTINE.....A.B..... Clinton
CAMPBELL, GILBERT LEWIS.....B.S..... Monica
CANFIELD, WREN MANLEY.....B.S.....Murray, Ia.
CARLSON, MARIE ELLEN.....B.S.....Lake Bluff
CARROLL, IRENE NEVADA.....A.B.....Hampton, Ia.
CARROLL, MERTON ALFRED.....B.S..... Elgin
CARTER, RUTH GRACE.....A.B..... Evanston
CATER, MARGARET GRACE.....A.B..... Libertyville
CAULKINS, FLORA LUCY.....A.B..... Duluth, Minn.
CHAMBERLAIN, FAITH .....A.B..... Chicago
CHAMBERLAIN, GRACE .....A.B..... Chicago
CHAMBERLIN, JOHN CLAIR.....A.B.....Panora, Ia.
CHAMBERS, RAYMOND .....A.B..... Evanston
CHANDLER, JEAN FORREST.....B.S..... Chicago
CHAPMAN, LOUISE MARY.....A.B..... Evanston
CHARLES, SHERMAN ALEXANDER.....B.S..... Evanston
CHESTNUTT, JAY LEROY.....A.B..... Chicago
CHRISTOPHER, ALICE .....A.B..... Evanston
CHRISTOPHER, FREDERICK .....B.S..... Evanston
CLAPP, CHARLES RUSSELL.....B.S..... Evanston
CLARK, ESTELLE OSBORN.....A.B.....Highland Park
CLARKE, LENNOX BARRETT.....A.B..... Chicago
CLAY, NELLE EDITH.....B.S.....Quincy, Ohio
CLEWORTH, BUELAH ROSE.....A.B..... Chicago
COBLE, ELMER CHRISTIAN DANIEL...B.S..... Oswego
COCHRAN, EDITH VIRGINIA.....A.B..... Chicago
COLLMAN, MILTON GEORGE.....B.S.....Madison, Wis.
COMPARET, IRENE .....B.S.....Fort Wayne, Ind.

COMSTOCK, JAMES FRANK.....B.S..... Macomb
COOK, ADELE .....B.S..... Chicago
COOK, JUSTINE RANDOLPH.....B.S.....Bluffton, Ind.
COOK, MERRITT WESLEY.....B.S.....New Castle, Pa.
COOK, WILLIAM ROBERTSON.....A.B..... Chicago
COOKE, EDITH WHITCOMB.....A.B..... Evanston
COOL, RYDER FORREST.....A.B.....Blue Island
COOPER, FRANK LESLIE.....A.B..... Washington
COOPER, HEDLEY HEBER.....A.B.....River Forest
COOPER, JOSEPHINE .....B.S.....Kenosha, Wis.
CORNELIUS, ERNEST HARRY.....B.S.....Hastings, Neb.
COWLES, ETHEL MARY.....A.B.....Burlington, Ia.
COWLES, HELEN .....A.B.....Des Moines, Ia.
COWLEY, AMY .....B.S..... Ligonier, Ind.
COWLEY, BESS .....A.B.....Ligonier, Ind.
CRAIN, CASTLE CAMILLE.....A.B.....Redfield, So. Dak.
CRAMPTON, ETHEL MARIA.....A.B..... Evanston
CRAWFORD, ALMA ELIZABETH.....A.B..... Ottawa
CROMER, CHARLES EDOLYN.....B.S..... Evanston
CROZIER, WILMOT FLINT.....A.B..... Dwight
CRUSE, CHESTER CLARENCE.....A.B.....Osceola, Neb.
CRUMPTON, ORA JANE.....A.B.....Superior, Wis.
CULBERTSON, JOHN SMITH.....B.S.....Fort Benton, Mont.
CULLEY, FRANK HAMILTON.....B.S.....Marshalltown, Ia.
CURME, GEORGE OLIVER, JR.....B.S..... Evanston
CURRIER, GRACE MAE.....B.S.....Salix, Ia.
CURRY, ANNA HELEN.....A.B.....Dow City, Ia.
CURTIS, STANLEY ARTHUR.....A.B.....Oregon, Mo.
DADLEY, JAMES WALTER.....B.S..... Evanston
DALBEY, LOUISE JEANNETTE.....B.S..... Taylorville
DALBEY, MABEL HALL.....B.S..... Taylorville
DAMMARELL, IDA MAE.....A.B..... Chicago
DAMMARELL, MILTON EDWIN.....A.B..... Chicago
DANNER, BERTHA MAY.....B.S.....Loveland, Colo.
DAVID, CHARLES WENDELL.....A.B..... Onarga
DAVIDSON, MARIE DOROTHY.....A.B..... Chicago
DAVIES, ERNEST COULTER.....B.S..... Chicago
DAVIS, ANNA .....A.B..... Chicago
DAVIS, EDYTHA ISABELLE .....A.B..... Loda
DAVIS, RUTH MARGARET.....A.B.....Bethlehem, Pa.
DEBORD, BESSE MYRTIS.....A.B..... Princeville
DEES, JESSE WALTER.....B.S..... Evanston
DEKLOTZ, FANNY .....A.B.....Kirkman, Ia.
DELONG, RUTH .....A.B..... Chicago
DENNIS, STANLEY ARTHUR.....A.B..... Winslow
DEWEY, PERDITA IRENE.....B.S.....Kenosha, Wis.
DEWHIRST, FLOYD EVERETT.....A.B..... Noble
DICKEY, GLADYS .....A.B..... Evanston
DICKEY, GWENDOLYN .....A.B..... Evanston
DILLON, MABEL .....A.B.....Oregon, Mo.
DINES, JEAN SPERRY.....A.B..... Springfield
DOLSON, MERVYNA BARBARA.....A.B..... Elgin
DONALDSON, CATHERINE LAURA.....B.S..... Evanston
DORNER, PIERRE LIONEL.....B.S..... Evanston
DRACHMAN, MYRTLE .....A.B.....Tucson, Ariz.
DREHER, CHARLES EDWIN.....B.S.....Strondsburg, Pa.
DREW, BESSIE ELLEN.....B.S..... Chicago
DUNBAR, JOHN WILL.....A.B..... Chicago
DUNCAN, ANNA .....B.S..... Lintner

DYER, ETHEL OLIVE....A.B....Lafayette, Ind.
EARLY, BENJAMIN BLAKEMAN....A.B....Rockford
EARNGEY, WILLARD PHELPS....B.S....Rockford
ECKERT, FLORENCE....A.B....Mendota
EDDY, HARRIET BARTON....A.B....Medina, Ohio
EDDY, MILTON WALKER....B.S....Medina, Ohio
EDWARDS, RUTH ELIZA....B.S....Pawpaw
EHMEN, EMIL SEBO....A.B....Melvin
ELDRIDGE, BYRON HENRY....A.B....Evanston
ELLIOTT, MARGARET....A.B....Chicago
ELMER, ANNA ELMIRA....B.S....Monticello
ERB, GEORGE WILLIAM....A.B....Chicago
ERWINE, SAMUEL DAWSON....B.S....Saunemin
ESCH, IRMGARD ANNA....B.S....Chicago
ESTELL, EDNA WILLIAMS....B.S....Evanston
EVANS, DONALD WINSLOW....B.S....Peoria
EVANS, EARL WESLEY....A.B....Sidney, Ohio
FAHS, FREDERICK WILLIAM....B.S....Seattle, Wash.
FAIRBANKS, LELA....A.B....Clarion, Ia.
FALLEY, GEORGE FREDERICK....A.B....Evanston
FANSLER, RALPH LEE....A.B....Evanston
FARQUHARSON, WILLIAM JAMES....A.B....Chicago
FENN, GEORGE CARL....B.S....Ashland, Wis.
FERGUSON, CARRIE BLANCHE....A.B....Morris
FINNEY, STELLA BELLE....B.S....Bismarck
FLACK, GRACE LOLA....A.B....Chicago
FLACK, MARJORIE MAY....A.B....Chicago
FLANIKEN, FRED PORTER, JR....A.B....Chicago
FLETCHER, ABBOTT LEE....B.S....Rantoul
FOCHT, CARL FRANCIS....B.S....Evanston
FOERSTER, FREYA....A.B....Highland Park
FOGELMAN, LURA MAE....A.B....Washta, Ia.
FONDA, JAMES WILLIAM....A.B....Council Bluffs, Ia.
FORBES, RUTH....A.B....Evanston
FORNEY, HELEN DARLENE....A.B....Minonk
FOSTER, EDITH....A.B....Brandon, Wis.
FOSTER, GEORGE HENRY....B.S....Evanston
FOSTER, GERTRUDE ALICE....A.B....Chicago
FOSTER, MELISSA ELMORE....B.S....Evanston
FOWLER, GRACE MARY....A.B....Kankakee
FRANKS, PAUL RAYMOND....A.B....Garrett, Ind.
FRASER, BRUCE ERNEST....B.S....Chicago
FRENCH, WALTER ROY....B.S....Waterloo, Ia.
FRISCH, JOHN JULIUS....A.B....Chicago
FRYE, MARY VANCE....A.B....Capron
FULLERTON, ALMEDA....A.B....Ottawa
FULMER, JUNE....B.S....Chicago
GAGE, HARRIET....A.B....Evanston
GAMBLE, GULA ELMA....A.B....Evanston
GARDINER, MABEL FRANCES....A.B....Evanston
GARDNER, WILLIAM ELDREDGE....A.B....Gallien, Mich.
GARRISON, DAISY LUELLA....A.B....Chicago
GATES, JULIETTE....A.B....Wilmette
GEMMILL, HORACE GLEN....B.S....Wilmette
GETHMANN, ELLA HELENE....A.B....Reinbeck, Ia.
GETHMANN, JULIA....A.B....Reinbeck, Ia.
GIBSON, EARL STEWART....A.B....Evanston
GIBSON, RALPH SHAFFER....B.S....Evanston
GILCHRIST, MABEL ETHLIND....B.S....Strawberry Point, Ia.

Gilkerson, Harry Charles	A.B.	Marengo, Ia.
Gilmore, Algernon Isaac	B.S.	Oneida, Kan.
Gilson, James Harold	A.B.	Newton, Ia.
Glab, Edward Alais	B.S.	Dubuque, Ia.
Glick, Charlotte Rebecca	B.S.	Marshalltown, Ia.
Gloeckler, Mabel Margaret	B.S.	Evanston
Goddard, Lotus Lucille	A.B.	Evanston
Goldberg, Berthold Lalflin	A.B.	Chicago
Goodsmith, Abbie Gertrude	A.B.	Chicago
Goodsmith, Winifred Pearl	B.S.	Chicago
Gouwens, Cornelius	B.S.	South Holland
Graves, Charles Arthur	A.B.	Harlan, Ia.
Green, Helen Sholes	A.B.	Morrison
Greene, Pearl Stuart	A.B.	Lake Bluff
Greene, Percy Clark	B.S.	Evanston
Greenough, Frances Pearl	A.B.	Evanston
Griffin, Myra Florence	B.S.	Zion City
Griscom, Ellwood, Jr.	A.B.	Moorestown, N. J.
Gross, Palma Adlyn	A.B.	Joliet
Grove, Isabella	B.S.	Hillyard, Wash.
Grubb, Paul Nuzum	B.S.	Mauston, Wis.
Gruber, Merrill Otis	A.B.	Montgomery
Gruner, Mabel Rose	A.B.	Speer
Guffin, Alice Idell	A.B.	Geneseo
Guthier, Cora	A.B.	Chicago
Haefliger, Marie Madeline	A.B.	Princeton
Hagerman, Harry Edwin	A.B.	Mandan, No. Dak.
Haile, Clarence Edgar	A.B.	Evanston
Haines, Sarah Elizabeth	A.B.	Chicago
Haist, Theodore Edwin	B.S.	Manton, Mich.
Haist, Virginia Ethel	A.B.	Manton, Mich.
Hale, Helen Gertrude	A.B.	Highland Park
Hall, Emma Clodfelter	A.B.	Crawfordsville, Ind.
Hall, Laura Downton	A.B.	Prairie du Chien, Wis.
Hallwachs, John Fred	A.B.	Chicago
Halter, Albert Arthur	A.B.	Flucom, Mo.
Hamilton, Abigail Jane	A.B.	Sigourney, Ia.
Hamilton, Margaret	A.B.	Oak Park
Hamilton, Rubey James	B.S.	Atlanta, Mo.
Hanes, May	A.B.	Chicago
Hanna, Forest Walker	A.B.	Maryville, Mo
Hard, Gertrude Green	B.S.	Evanston
Hardie, Helen McQueen	B.S.	Evanston
Harkness, Cornelia	B.S.	Chicago
Harper, Ethel Maud	A.B.	Laurium, Mich.
Harraden, Charles Gordon	B.S.	Berwyn
Harrington, Marion	A.B.	Spokane, Wash.
Harris, Abram II	A.B.	Evanston
Harris, Clara Funke	B.S.	Evanston
Harris, Mame Robinson	B.S.	Fort Collins, Colo.
Harris, Sarah Bacon	A.B.	Evanston
Harris, William Joseph	B.S.	Evanston
Hart, Faye Earl	B.S.	Chicago
Hartshorn, Grace	B.S.	Clarion, Ia.
Harvey, Mary Gertrude	B.S.	Evanston
Harvey, Margaret Isabelle	A.B.	Belvidere
Harwood, Corabel Kate	A.B.	Chicago
Haviland, James Thomas	A.B.	Aurora

HAWLEY, LILLIAN EMELINE....A.B.... Huntley
HAWXHURST, WALDO ....A.B.... Evanston
HAYWARD, IDA MAY....B.S.... Chicago
HEAD, CLOYD SIMMONS....A.B....Oak Park
HEAPS, CLAUDE WILLIAM....B.S.... Kewanee
HEDGE, HARRY MALCOLM....A.B.... Chicago
HELLER, FREDERICK MERWIN....B.S.... Myrtle, Colo.
HEREN, HUBERT EDMUND....B.S.... Evanston
HERREN, WALTER ....B.S.... Oswego
HESTER, MARION SYBIL....A.B.... Chicago
HICKS, JOHN DONALD....A.B....Buffalo, Wyo.
HILTON, CHARLES ORDWAY....B.S.... Evanston
HIRSCH, EDWIN FREDERICK....A.B....Wauwatosa, Wis.
HOBART, CHAUNCEY GOODRICH....B.S.... Evanston
HOBART, MARCUS HATFIELD....A.B.... Evanston
HOFMAN, AMALIE IDA....A.B.... Chicago
HOLCOMB, ANNA FAYE....A.B.... Hinsdale
HOLMBERG, ETHEL MARIE....A.B....Ironwood, Mich.
HOLTON, MARY WARD....A.B....Indianapolis, Ind.
HOOD, PEARL BEATRICE....A.B.... Gilberts
HOPKINS, EMMA BURDETTE....B.S....Independence, Ia.
HORNER, HAZEL BEATRICE....A.B.... Chicago
HORNING, DOROTHY MORTON....A.B.... Evanston
HOWARD, HORACE LEE....A.B....Garfield, Wash.
HOWE, LORA BERTA....A.B....Miles Center, Mont.
HOWELL, BERTHA BLANCHARD....A.B.... Evanston
HUBBARD, CLIFFORD LEO....B.S....Rock Island
HUFFORD, CLARENCE VALENTINE....B.S....Monon, Ind.
HUGHES, HILDA WALLACE....A.B....LaGrange, Ind.
HUGHES, MARIE HENRIETTA....A.B.... Chicago
HULL, ISAAC HARVEY....B.S.... Saunemin
HULL, MARY ....B.S.... Saunemin
HULL, RAY LEROY....B.S....Hanna, So. Dak.
HUMMELGAARD, PETER THOMAS....B.S.... Evanston
HUNT, AVA FARWELL....B.S....Blairstown, Ia.
HUNTINGTON, VERE LANGSON....B.S.... Chicago
HUTH, NYDIA ....B.S.... Chicago
ISRAEL, GENEVIEVE ....A.B....South Bend, Ind.
JACOBSON, ROY CHARLES....B.S.... Geneseo
JAMES, MYRON EVERETT....A.B.... Rochester
JENKINS, CATHERINE ELIZABETH....B.S.... Chicago
JENKINS, ROGER PHILIP....A.B.... Peoria
JENKS, ALICE MARGARET....A.B.... Elgin
JENNINGS, ELMER HAYWARD....A.B.... Sterling
JENSEN, MYRTLE E....A.B....Aberdeen, So. Dak.
JEWETT, HAZEL TEMPLETON....A.B.... Evanston
JOHNSON, ANNA JOHANNA....A.B.... Chicago
JOHNSON, DOUGLASS MONTGOMERY....B.S....St. Louis, Mo.
JOHNSON, EDWARD AMER....A.B.... Evanston
JOHNSON, ESTHER HARRIET....B.S.... Glencoe
JOHNSON, JOHN FENTON....A.B.... Chicago
JOHNSON, MARCIA ....B.S.... Evanston
JOHNSON, MARY CHARLOTTE....A.B.... Chicago
JOHNSTON, ALICE MIRIAM....B.S....Ottumwa, Iowa
JOHNSTON, MABEL REICHARD....A.B....Knoxville, Ia.
JOHNSTON, THOMAS ROBERT....B.S.... Milan
JONES, JOHN LEWIS....A.B.... Chicago

Jones, Mildred Burritt	A.B.	Evanston
Jones, Rachiel Bangs	A.B.	Evanston
Jones, Rhys Price	A.B.	Chicago
Jorgeson, Grace Isabel	A.B.	Park Ridge
Joslyn, Flora Mabel	B.S.	Marengo
Julien, Floyd James	B.S.	Delphi, Ind.
Kahlo, Corrinne Ethel	A.B.	Evanston
Kahn, Ida	B.S.	Nanchang, China
Karst, Elsa Emelie	A.B.	Wilmette
Karsten, Norma Lillian	B.S.	Horicon, Wis.
Kaye, Fanny Gladys	B.S.	Calmar, Iowa
Kean, Gilbert Paul	B.S.	Evanston
Keating, Florence Alice	A.B.	LaCrosse, Wis.
Kenney, Cleo Vera	A.B.	Melvin
Kercher, Cora Ellen	A.B.	Goshen, Ind.
Kercher, John Wesley	B.S.	Goshen, Ind.
Keyes, Marien Musgrave	A.B.	Chicago
Kierland, Alice Thora	A.B.	Rushford, Minn.
Kilbury, Mabel Rachel	A.B.	St. Joseph
Kindig, Avaline Hull	A.B.	Rensselaer, Ind.
King, Bertha Goodwin	B.S.	Rochelle
King, Fenner Emory	B.S.	Ames, Iowa
King, Loraine Trotwood	B.S.	Oregon, Mo.
Kirkpatrick, Bessie	A.B.	Macomb
Kirkpatrick, Blaine	A.B.	Raub, Ind.
Kittleman, Charles Wesley	B.S.	Berwyn
Kleiner, Helen Marie	B.S.	Eau Claire, Wis.
Kletzing, Kathryn Allegra	A.B.	Chicago
Kline, Mabel Elizabeth	A.B.	Evanston
Knox, Edith Orilla	B.S.	Evanston
Knudson, Amalie	A.B.	St. Charles
Koerner, Frank Benjamin	B.S.	St. Joseph, Mo.
Kollman, Rose	A.B.	Chicago
Konsberg, Edna Mathilde	B.S.	Evanston
Kracke, Ella Wilhelmina	B.S.	Chicago
Kraft, May L.	B.S.	Evanston
Kramer, Hilde Marie	A.B.	Chicago
Kranebell, Wilbur Raymond	A.B.	Albert Lea, Minn.
Kuhn, Lilian May	A.B.	Muscatine, Ia.
Lambert, Helen	A.B.	Chicago
Lamke, Earl John	A.B.	Evanston
Landsdown, Burdette	A.B.	Chicago
Langdon, Ernest Heber	A.B.	Monticello
Langdon, Seth Chapin	B.S.	Monticello
Langworthy, Edward Phelps	B.S.	Chicago
Lapham, Martha	B.S.	Chicago
Larson, Hattie Lucille	A.B.	Kankakee
Larson, Hulda Louise Martha	B.S.	LaGrange
Lasher, Clayton Sanford	B.S.	Evanston
Lathrop, Georgia Louise	A.B.	Chicago
Laughlin, Lola Claire	A.B.	St. Charles
Lawson, John Walton	B.S.	Evanston
Layton, Warren Kenneth	A.B.	Potomac
Leacock, Lilian	A.B.	Chicago
Leander, Eric Gabriel	A.B.	Macomb
Lee, Edwin Ferdinand	B.S.	Ossian, Ia.
Legler, Florence Anne	A.B.	Berwyn
Leigh, Maurice Chaffee	B.S.	Evanston

LEONARD, CHAUNCEY WOOD.....A.B..... Evanston
LEONARD, LEROY .....B.S..... Racine, Wis.
LEVITIN, PAULINE GRACE.....A.B..... Chicago
LEWIS, VERNON EDDY.....B.S.....Fort Benton, Mont.
L'HOTE, ELDA PATIENCE.....A.B..... Milford
L'HOTE, RAY FAIRMAN.....B.S..... Milford
LILLYGREN, VICTOR NELS.....B.S..... Racine, Wis.
LISON, MARGUERITE MARIE.....A.B..... Evanston
LITTLE, AARON JAMES.....B.S..... Milwaukee, Wis.
LIVINGSTON, CLARA PEARL.....B.S..... Moline
LOBANOFF, VERA THEODORA.....B.S..... Wilmette
LONG, FANNY REBECCA.....B.S..... Grinnell, Ia.
LORING, ELSIE BROWN.....A.B..... Chicago
LOWE, CHARLOTTE .....A.B.....Winamac, Ind.
LOWE, MAX FOSTER.....B.S..... Kewanee
LOWELL, HENRY PARKER.....B.S.....Somerville, Mass.
LUGG, THOMAS BRANSFORD.....B.S..... Rossville
LUKE, EDNA GERTRUDE.....B.S..... Joliet
LUKER, PAUL JACOB.....B.S..... Staunton
LUNDAHL, IRVING AUGUST.....B.S..... Chicago
LYNCH, JOSEPHINE FLORENCE.....A.B..... Evanston
MCCABE, LOUISE .....B.S.....Crawfordsville, Ind.
MCCAFFREY, WINIFRED ADELIA.....A.B.....Maquoketa, Ia.
MCCARRELL, HELEN .....B.S..... Evanston
MCCARTY, CAROLYN YOUNG.....B.S..... Tuscola
MCCLURE, CHARLES SHERMAN.....A.B.....Wabash, Ind.
MCCLURG, GRACE KATHERINE.....A.B.....Lima, O.
MACDONALD, JAMES HENRY.....A.B..... Chicago
MCDONALD, ALEXANDER RAY.....B.S..... Odell
MCGOVERN, KATHRYN .....A.B..... Chicago
MCGREGOR, CLARA GRACE.....A.B.....Anaconda, Mont.
MACGREGOR, MARGARET .....A.B..... Evanston
MCINTIRE, VIRLON WILLARD.....A.B..... Potomac
MCNEILL, MALCOLM RIVERS.....A.B..... Evanston
MCNETT, BLANCHE .....A.B..... Chicago
MCOMBER, MAY IRENE.....A.B.....West McHenry
MCPHERRIN, RUTH .....A.B.....Kansas City, Mo.
MCQUEEN, M. VIRGINIA.....A.B..... Harvey
MCWILLIAMS, EDWARD, JR.....B.S..... Chicago
MAHLER, HELEN MAUD.....A.B.....Sheldon, Ia.
MAHON, ROBERT JAMES.....B.S.....Mt. Carmel
MAMER, PETER JOHN.....B.S..... Odell
MANLEY, ETHEL GERTRUDE.....B.S..... Grand Ridge
MANLEY, JOHN ALFRED.....B.S..... Mt. Carmel
MARCELLUS, EDWARD WINIFRID.....A.B..... Crete, Neb.
MARIS, JEANNE MARIE.....A.B..... Highwood
MARSH, CLARENCE STEPHEN.....A.B.....Seattle, Wash.
MARSH, JESSE IRVING.....A.B..... Buckley
MARSH, MABEL .....A.B.....Kincaid, Kans.
MARTIN, AMY MARGUERITE.....A.B..... Chicago
MATLACK, EDITH LILLIAN.....A.B..... Galena
MAUEL, MAMIE .....A.B..... Chicago
MAURITZON, ELSIE ELIZABETH.....B.S..... Chicago
MEASAMER, THOMAS EDWARD.....A.B..... Concord, No. Car.
MEEKISON, AGNES .....B.S..... Chicago
MEHL, ELSIE .....B.S.....Ft. Wayne, Ind.
MERCER, HERMAN JOSIAH.....A.B..... Wyanet
MERRILL, WALLACE TRESCOTT.....A.B..... Cabery

MERRITT, JOHN WESLEY.....B.S..... Duluth, Minn.
MERRY, GLENN NEWTON.....A.B..... Evanston
MERSHON, HARRY GRANT.....A.B..... Rockford
MEYER, ELMER LEROY.....A.B..... Chicago
MEYER, FRED CLIFFORD.....A.B.....Fargo, No. Dak.
MIDDLEKAUFF, MARJORIE MAY.....A.B..... Chicago
MIDDLEKAUFF, ROBERT PRINDLE.....B.S..... Chicago
MILLER, BESSIE CAROLYN.....A.B..... Odell
MILLER, FLOYD CLEVELAND.....A.B..... Maroa
MILLER, MABEL LUCILE.....A.B..... Gilman
MILLER, RAYMOND CHARLES WILFRED.....B.S..... Chicago
MILLER, REGINALD PARSONS.....B.S..... Evanston
MILLER, ROY IRVING.....A.B..... Rockford
MIRANDA, MAX GARVER.....B.S.....Walkerton, Ind.
MONTAGUE, ELLEN PEARL.....A.B..... Chicago
MONTGOMERY, EDWARD GARFIELD.....B.S.....Ireton, Ia.
MOODY, EDITH SARAH.....A.B.....Rochester, Minn.
MOORE, ALICE LYDIA.....A.B..... Grayslake
MOORE, AUBREY SHANNON.....A.B.....Hendrysburg, Ohio
MOORE, GERALD GRATTON.....A.B..... Chicago
MOORE, RUTH MARY.....B.S..... Grayslake
MOORE, SUSAN .....A.B.....Des Moines, Ia.
MOORE, VERNETTE BELLE.....B.S..... Grayslake
MORELAND, CORNELIA BERETTA.....A.B..... Chicago
MORGAN, LUCILE .....A.B..... Evanston
MORGAN, RUTH .....B.S..... Evanston
MOSTROM, HENNING THEODORE.....B.S..... Clinton, Ia.
MOULTON, EVERETT CROCKETT.....B.S.....Ft. Smith, Ark.
MOVIUS, REGINALD MURRAY.....B.S.....Lidgerwood, No. Dak.
MOVIUS, WALTER ROBERT.....A.B.....Lidgerwood, No. Dak.
MULDER, RITZ .....B.S.....Rose Lawn, Ind.
MUNN, ROYAL BENJAMIN.....B.S..... Chicago
MURDOCK, WINIFRED .....A.B..... Chicago
MURPHY, ARTHUR GILMAN.....B.S.....Michigan City, Ind.
MURPHY, LEONARD J.....B.S..... Fairland
MURPHY, ZITA MARY.....A.B..... Chicago
NADLER, WALTER HERMANN.....B.S..... Peru
NASH, MABEL CATHERINE.....A.B..... Evanston
NEITZ, ERMA LUCRETIA.....A.B..... Fairbury
NEVITT, MILDRED EVA.....B.S..... Bradford
NEWELL, FLORENCE ELEANOR.....A.B..... Monticello
NEWTON, HENRIETTA .....B.S.....Crown Point, Ind.
NORRIS, JOHN HIRAM.....B.S.....Crandon, So. Dak.
NORTON, JULIA ELLEN.....B.S..... Evanston
NOYES, ELLA LOUISE.....A.B.....Mt. Sterling
NUSBAUM, CARRY MAE.....A.B.....Middlebury, Ind.
NYE, FRANK THOMAS.....B.S.....Essex, Ia.
NYQUIST, REUBEN EMIL.....B.S..... Moline
O'CONNELL, HAROLD PATRICK.....A.B..... Chicago
ODELL, CARL LUTHER.....B.S.....Waterloo, Ia.
ODELL, FRANK INGLEHEART.....B.S.....Evansville, Ind.
OHM, CARL WALTER.....A.B..... Chicago
OKEBERG, MABEL JOSEPHINE.....B.S..... Geneseo
OLSON, MARTHA GENEVA.....A.B..... Winona, Minn.
ORVIS, ETHEL .....A.B.....Missoula, Mont.
OSGOOD, CLARA LOUISE.....A.B.....Parsons, Kans.
PACE, CHARLES ANDERSON.....B.S..... Chicago
PAGE, CONSTANCE VIRGINIA.....A.B.....Correctionville, Ia.

PALMER, RUTH ANN....A.B....Algona, Ia.
PARKINSON, RAYMOND FIELDING....B.S.... Carbondale
PARKS, EMMA WEBB....A.B....Washington, D. C.
PATTEN, HELEN PRINDLE....A.B.... Evanston
PATTERSON, CLINTON CRISSEY....B.S.... Marengo
PATTON, CARRIE CADE....A.B.... Paxton
PAULLIN, FRANCES ANNE....B.S.... Evanston
PECK, KENNETH AARON....B.S.... Evanston
PENBERTHY, VERA ETHEL....B.S.... Chicago
PENNINGTON, HORTENSE....A.B....Mediapolis, Ia.
PENROSE, HELEN JOSEPHINE....A.B.... Elgin
PERELES, JEANNETTE....B.S....Milwaukee, Wis.
PERKINS, MARION GLIDDEN....A.B.... Wilmette
PERKINS, STELLA FRANCES....B.S.... Wilmette
PERRY, EARL....B.S.... Chicago
PERRY, HAZEL BELLE....A.B.... Dundee
PETTIBONE, HEMAN NELSON....B.S.... Chicago
PIDER, MYRTLE ZOA....A.B....Mankato, Kans.
PIPER, ROBERT GREGORY....A.B.... Berwyn
PLUMMER, BUELAH ALEXIA....B.S....Lowell, Ind.
POLHEMUS, ELIZA GROAT....A.B.... Evanston
POLLOCK, SAMUEL EDGAR....A.B.... Orland
POOLE, FRANCES....B.S.... Evanston
POOLEY, ELEANOR GERTRUDE....B.S.... Evanston
POPE, CHARLES AUGUSTINE....B.S.... Chicago
POPE, MARY HOWE....A.B.... Evanston
POPE, WILLIAM COOKE....A.B.... Waukegan
PORTER, ELIZABETH....B.S.... Evanston
POTTER, HARRY RICE....B.S....Leaf River
POUTRA, ELMER HARRY....B.S.... St. Anne
POWER, CAROLINE MARGUERITE....A.B....Enid, Okla.
PRASSE, FRIEDA CLARA....A.B.... Chicago
PRICE, LIZZIE JANE....B.S....Clear Lake, Ia.
PRICE, MARGARET WILMOT....A.B.... Chicago
PRINCE, SARAH HARRIET....A.B....Downers Grove
PRINDLE, MARY LOUISE....A.B.... Elgin
PRITCHARD, EDITH MILDRED....B.S.... Geneseo
PRITCHARD, FANNIE ISABELLA....B.S.... Geneseo
PROCTOR, GEORGIA....A.B.... Evanston
PROCTOR, MABEL GRACE....B S....Arcadia, Wis.
PROUTY, IDA EVANGELINE....A.B....Des Moines, Ia.
PURCELL, MURAT GILLESBIE....B.S.... Chicago
PUTNAM, PERSIS....A.B....Rushford, Minn.
RAE, JENNIE....A.B....Dow City, Ia.
RAEDER, MARGUERITE....A.B.... Evanston
RAINBOW, ELIZABETH....A.B.... Murphysboro
RANDOLPH, MARIE ELIZABETH....B.S.... Chicago
RANNEY, LEO....A.B....New Hartford, Ia.
RASCHER, CHARLES....B.S.... Chicago
RAY, LLOYD CARLYLE....A.B.... Rockefeller
REA, EDITH PANSY....A.B....Corydon, Ia.
REDELINGS, LESLIE HALL....B.S.... Marinette, Wis.
REED, CHAUNCEY WILLIAM....B.S.... West Chicago
REESE, ERNEST AUGUST....A.B....Hubbard, Ia.
REINHARD, KATHERINE JOSEPHINE...A.B.... LaSalle
RENNICK, GERTRUDE DEYO....A.B.... Bradford
REYNOLDS, ROBERT LEROY....B.S.... Harlan, Ia.
RICHARDS, LOIS WILLIAMS....B.S.... Oregon, Mo.

RICHARDSON, LUCY ..... A.B. ..... Evanston
RICHARDSON, ROBERT ..... A.B. ..... Evanston
RINALDO, JEANNETTE ..... A.B. ..... Geneseo
ROBERTS, EDWARD BROWN ..... B.S. ..... Coshocton, O.
ROBERTS, LOUISE ANTIONETTE ..... A.B. ..... Evanston
ROBERTSON, ALMA NITA ..... A.B. ..... Virginia
ROEHM, FREDERICK WILLIAM ..... B.S. ..... Calumet, Mich.
ROGERS, GRACE ..... B.S. ..... Chicago
ROGERS, LOUIS PERRY ..... B.S. ..... Scales Mound
ROGERS, NEIL OSCAR ..... B.S. ..... Warna
ROLLINS, PERSIS ..... B.S. ..... Chicago
ROOSA, OMAR ERROL ..... B.S. ..... Traverse City, Mich.
ROW, GERALD GILLESPIE ..... A.B. ..... Evanston
ROWLAND, IRMA ELIZABETH ..... B.S. ..... Freeport
RUSSELL, HAROLD CLARK ..... B.S. ..... Oswego
RYAN, CHARLES SCHELMADINE ..... A.B. ..... Albert Lea, Minn.
SAVAGE, ARTHUR DALE ..... B.S. ..... Champaign
SCHAFFER, WILLIAM HOYT ..... B.S. ..... Chicago
SCHAFF, EMILY ..... B.S. ..... Chicago
SCHELL, LOUISE ELIZABETH ..... A.B. ..... Mt. Pleasant, Ia.
SCHILTZ, MARY ELIZABETH ..... A.B. ..... Sigourney, Ia.
SCHNABLE, GEORGE LEROY ..... B.S. ..... Chicago
SCHREIBER, CLARA ETHEL ..... A.B. ..... Chicago
SCHRYVER, FLORENCE ..... B.S. ..... Chicago
SCHUSTER, RUDOLPH SAMUEL ..... A.B. ..... Chicago
SCOVEL, JAMES DEAN ..... B.S. ..... Chicago
SCUDDER, MARIE GRAVES ..... A.B. ..... Evanston
SEARLES, BERTHA JANE ..... A.B. ..... Chicago Heights
SECOR, ELIZABETH ..... A.B. ..... LaSalle
SEEWALD, OLGA ELIZABETH ..... A.B. ..... St. Louis, Mo.
SEINEKE, AGNES WILHELMINE ..... A.B. ..... Reedsburg, Wis.
SELLERS, HORACE BRUNER ..... A.B. ..... Elgin
SEMANS, ESTHER LITTELL ..... A.B. ..... Winchester, Ind.
SHAFER, CHESTER ARTHUR ..... A.B. ..... Diagonal, Ia.
SHAFFER, LAWRENCE BLAINE ..... B.S. ..... Momence
SHEFFIELD, PYRRHA BUCHNER ..... A.B. ..... Chicago
SHEPHERD, BROWNIE FIELDING ..... B.S. ..... Clinton, Ind.
SHINABARGAR, GLENN CRUMP ..... B.S. ..... Hopkins, Mo.
SHORT, VERA HENSCIL ..... B.S. ..... LaGrange, Ind.
SHULTS, CARLETON A. ..... A.B. ..... Aurora
SHURTLEFF, HELEN ..... A.B. ..... Wilmette
SINGLETON, JAMES HERBERT ..... B.S. ..... Buckley
SJOSTROM, VERA ..... A.B. ..... Haggdanger, Sweden
SKIBINSKI, JOHN ..... A.B. ..... Chicago
SLAUGHTER, LOIS EDNA ..... A.B. ..... Ottumwa, Ia.
SLOANE, MARY STEWART ..... A.B. ..... Maquoketa, Ia.
SMITH, ALICE MAE ..... A.B. ..... Cuba
SMITH, FAYE ELIZABETH ..... A.B. ..... Macomb
SMITH, FLORENCE LILLIAN ..... A.B. ..... Evanston
SMITH, FRANK EARL ..... B.S. ..... Seneca, Kan.
SMITH, HARRY ELIJAH ..... A.B. ..... Macomb
SMITH, HASSEL WENDELL ..... B.S. ..... St. Louis
SMITH, HERBERT URBAN ..... A.B. ..... Keithsburg
SMITH, HERSCHEL ROBERT ..... B.S. ..... Greenfield, Ind.
SMITH, HOWARD EDWARD ..... B.S. ..... Cuba
SMITH, IVAN CHESTER ..... A.B. ..... Wichita, Kan.
SMITH, KEITH KUENZIE ..... A.B. ..... Garret, Ind.
SMITH, LEWIS ADDINGTON ..... A.B. ..... Ottumwa, Ia.

SMITH, PEARL ANTOINETTE.....A.B.....Spokane, Wash.
SMITH, SARAH SHIRLEY.....A.B.....Muskegon, Mich.
SMOOT, HAROLD LYMAN.....A.B.....Petersburg
SMOTHERS, ISAAC ALONZO.....B.S.....Rossville
SOLTAU, DAVID LIVINGSTON.....B.S.....Los Angeles, Cal.
SOLTAU, THEODORE STANLEY.....B.S.....Los Angeles, Cal.
SORENSON, JOHN .....A.B.....Audubon, Ia.
SPARKS, MARY MADGE.....A.B.....Marshalltown, Ia.
SPARKS, RICHARD FREDERICK.....A.B.....Marshalltown, Ia.
SPEARMAN, EUGENE LONERGAN .....A.B.....Evanston
SPEARMAN, HARRY HUTCHINSON....B.S.....Evanston
SPENCER, HELEN MITCHELL.....A.B.....Kansas City, Mo.
SPENCER, WILLIAM ANSON.....A.B.....Roswell, New Mex.
SPILMAN, HAROLD AUGUSTUS.....B.S.....Ottumwa, Ia.
SPRINGER, WILLIAM MASON.....B.S.....Palmyra, Mo.
SQUIRE, HENRY HERBERT.....B.S.....Sandusky, Ohio
STANT, F. BERT.....A.B.....Dublin, Ind.
STEINHILBER, FREDERICK JOHN.....B.S.....Evanston
STEVENSON, LOUISE.....B.S.....Ottawa
STEWART, BERTHA HARTWELL .....A.B.....Wichita, Kans.
STEWART, EDITH IVES.....A.B.....Rockford
STOEKLE, ERWIN RUDOLPH.....B.S.....Aurora
STOEKLE, MATHILDA .....A.B.....Aurora
STOLP, LOUISE AUGUSTA.....B.S.....Chicago Heights
STONE, MALCOLM .....B.S.....Chicago
STUNTZ, WILLARD GLENN.....B.S.....Panama Canal Zone
SUNDEEN, ARTHUR SIMON.....B.S.....Duluth, Minn.
SUTOR, GEORGIANA KATHERINE.....A.B.....LaCrosse, Wis.
SWANSON, OSCAR EMMANUEL.....A.B.....Evanston, Wyo.
SWEITZER, HARRY EARL.....B.S.....Plano
SWIFT, GEORGE HAMILTON.....B.S.....Chicago
TAGGART, HELEN CHILDS.....A.B.....Evanston
TALLMADGE, ABBY LOUISE.....A.B.....Evanston
TANQUARY, HELEN.....A.B.....Evanston
TAYLOR, HELEN CAROLYN.....A.B.....Evanston
TAYLOR, LEILA MAY.....A.B.....Chicago
TAYLOR, WALTER CLYDE.....A.B.....Almena, Kan.
TEED, EDWARD .....B.S.....Collins, Ia.
THOMPSON, CLIFFORD .....A.B.....Chicago
THOMPSON, DAVID GROSH.....A.B.....Evanston
THORNE, DELIA ROSELLA.....A.B.....Waterville, Kans.
TINK, ALBERT EDWARD.....A.B.....Brooklin, Canada
TODOROFF, ALEXANDER .....A.B.....Chicago
TORRES, EDWARD .....B.S.....S. Luiz de la Plaz, Mexico
TOWNSEND, LOWELL LESLIE.....A.B.....Remington, Ind.
TRABUE, MARION REX.....A.B.....Columbia City, Ind.
TRAVIS, CHARLES THEO.....A.B.....Evanston
TRAXLER, SAMANTHA INEZ.....A.B.....Evanston
TREMAINE, ETHEL .....A.B.....Chicago
TRIMBLE, CHARLES GARNET.....B.S.....Red Deer, Canada
TUBBS, ESTON VALENTINE.....A.B.....Rossville
TUCKER, MARY.....A.B.....Wichita, Kans.
ULLRICK, CHARLES BURCK.....A.B.....Elgin
VAIL, DAVID LINTON.....B.S.....Wilmar, No. Dak.
VANDERBLUE, HOMER BEWS.....A.B.....Chicago
VANDERKLOOT, ELROY LEONARD.....B.S.....Wilmette
VAN HORN, MILDRED.....B.S.....Evanston
VEHE, KARL LEROY.....B.S.....Chicago

Verbeck, Marjorie May	A.B.	Freeport
Vick, Lucie Marie	B.S.	Evanston
Vincent, Agnes Louise	A.B.	LaCrosse, Wis.
VonHess, Charles Leonard	B.S.	Sleepy Eye, Minn.
Wahl, Bert X.	B.S.	Chicago
Walker, Estella Jarett	B.S.	Princeton, Ind.
Walker, Ina B.	A.B.	Chicago
Wallis, Frank DeWitt	A.B.	Butler
Walsh, George William	A.B.	Evanston
Walther, Anna Irene	A.B.	Oak Park
Ward, Alice	A.B.	Evanston
Ward, Ruth Florence	B.S.	Evanston
Ward, Walter Tallmadge	A.B.	Onarga
Waring, Ruth Augusta	A.B.	Evanston
Warmingham, Osbert Clarence	A.B.	Madras, India
Wathier, Frances Mary	B.S.	Chicago
Watson, Charles Hamilton	A.B.	Monon, Ind.
Watson, Georgia Louisa	A.B.	Wilmette
Watson, James Thomas	B.S.	Wilmette
Watson, Lewis Martin	B.S.	Monon, Ind.
Watt, Esther May	A.B.	Chicago
Webb, Warren Champion	B.S.	Chicago
Wedell, Axel Leonard	A.B.	Chicago
Weese, Robert Peter	B.S.	Huntington, Ind.
Weld, Moselle Edna	A.B.	Moorhead, Minn.
Wells, Alfred Burman	A.B.	Maryville, Mo.
Wells, Charles Connor	B.S.	Coshocton, Ohio
Wells, Harry Lumn	B.S.	Coshocton, Ohio
Wendland, Charles John	B.S.	Chicago
Wermuth, William Charles	B.S.	Chicago
Wernicke, Marie Agnes	A.B.	Chicago
Werno, Irene Martha	B.S.	Chicago
Wessling, Homer Luke	B.S.	Evanston
Westbrook, Ira Edward	A.B.	Mansfield, Mo.
Wheeler, Esther Catherine	A.B.	Oak Park
Wheeler, Helen Lenore	A.B.	Oak Park
White, Esther Lucy	A.B.	Hebron, Ia.
White, Warren Abel	B.S.	Chicago
Whitelaw, Olive Stanton	B.S.	Buffalo, N. Y.
Whitmore, Bernice Breese	B.S.	Ottawa
Whitwell, Alice Ethel	A.B.	St. Charles
Widney, Charles Earl	A.B.	Melrose Park
Wilcox, Muriel Estelle	A.B.	Hammond, Ind.
Wilcox, Tracy Francis	B.S.	Hebron, Ind.
Wilkerson, Harry Hunter	A.B.	Roodhouse
Wilkinson, Claudine Margaret	A.B.	Evanston
Williams, Arthur	A.B.	Chicago
Williams, Clara Estella	B.S.	Highland Park
Williams, Delia Alice	B.S.	Augusta, Wis.
Williams, Henry Dwight	B.S.	Raymond, Neb.
Williams, Percival Lloyd	A.B.	Racine, Wis.
Willott, Gertrude Edna	A.B.	Chicago
Wilson, Gladys	A.B.	Wabash, Ind.
Wilson, Harriet Lincoln	B.S.	DeKalb
Wilson, Leon Theodore	B.S.	Chili, Ind.
Winslow, Harold Bragdon	B.S.	Buenos Ayres, S. A.
Wise, Oliver Cady	B.S.	Maywood
Wolf, Carl Nicholas	B.S.	Chicago

Wood, Cyrus Boynton	A.B.	Chicago
Wood, Katharyn May	A.B.	Belle Plaine, Kans.
Wood, William Galloway	A.B.	Chicago
Woodard, James Wroten	A.B.	Rock Falls
Woodward, John Guy	B.S.	Sandwich
Wright, Earl Cranston	A.B.	St. Louis, Mo.
Wyne, Margaret Ruth	B.S.	Macomb
Yaple, George Skiles	B.S.	Virginia
Young, Frank George	B.S.	Rock Island
Young, Ina Electra	A.B.	Chicago
Zimmerman, Edward Walter	B.S.	Spring Valley, Minn.

Special Students not Candidates for a Degree

Ashby, Elsie Lucille	Ladoga, Ind.
Albertson, Roy Wallace	Evanston
Apel, Paul Hermann	Chicago
Bassler, Edna May	Lima, Ohio
Beach, Edith Carpenter	Winnetka
Brutus, Dorothea	Davenport, Ia.
Bucher, Claude	Winslow
Byrnes, Agnes Mary Hadden	Evanston
Cady, Ruth	Evanston
Collins, Florence Katherine	Kingfisher, Okla.
Crow, Jennie	Martinsville
Decker, Elsie Jane	West Branch, Mich.
Dussair, John Carl	Quincy
Evans, Rose	Evanston
Felkner, Marjorie	Milford, Ind.
Fischer, Frances Julia	Chicago
Focht, Frances M.	Evanston
Garnett, Louise Ayres	Evanston
Goffe, Louise Kimball	Evanston
Howell, Isabel	Evanston
Layton, Marjorie Evans	Evanston
Laiblin, Martha Fanny	Rottweit, Germany
Letts, Cora Perkins	Evanston
Long, Wallace Winfield	Cadillac, Mich.
Morrill, Louis Grant	St. Clair, Mich.
Neeld, Alice	Evanston
Nichols, Walter Orlin	Galena, Kan.
Peirce, Charlotte Van Valkenburg	Evanston
Pettit, Ethelyn Floy	Chicago
Pitkin, Julia Ethelyn	Chicago
Ray, Ora Louise	Belvidere
Reed, John Watford	Chicago
Ridlon, Margaret	Evanston
Roberts, Ralph Roscoe	Waterman
Sanders, Amy	Evanston
Sargent, Irene Marie	Evanston
Somerville, Esther	Evanston
Stearns, Emily Raymond	Chicago
Strombeck, John Frederick	Moline
Topliff, Rosalie	Evanston
Tracy, Fred Earl	Evanston
Wells, Cherrill Isabella	Chicago
Wolf, Alexander	Chicago
Yampolsky, Cecil Jacob	Chicago

Extension Courses

ARNOLD, MINNIE MARS ..... Chicago
BATT, GEORGE WILLIAM ..... Buffalo, N. Y.
BESTE, ARNIM CONRAD ..... Troy
BYRNE, MARY LORETTA ..... Weedsport, N. Y.
CALLAHAN, ALBERT R. ..... LaCrosse, Wis.
COOKSON, JOSEPH EDWARD ..... Chicago
CUMMINS, ERWIN JEPTHA ..... Putney, So. Dak.
CURTISS, MAY ELIZABETH ..... Chicago
DUFFY, AGNES DANA ..... Chicago
FINNEY, HORACE MAYNARD ..... Salem, Ohio
FLYNN, LEO HOWARD ..... Bloomington
FRASER, ANNIE CUNNINGHAM ..... Chicago
FREEMAN, FLORENCE MARCIA ..... Chicago
FULLENWIDER, ELIZABETH HARRIET ..... Chicago
GOWLAND, HARRY E. ..... Fargo, No. Dak.
HORNSBY, HUBERT PRIMM ..... Chicago
HUTCHINSON, ALICE JANET ..... Chicago
JAMIESON, THOMAS CUMMING MACMILLAN ..... Chicago
JEWELL, ABBIE LOUISE ..... Chicago
JEWELL, MARY LYDIA ..... Evanston
JONES, MARION LOUISE ..... Chicago
KAAPKE, MINERVA ..... Maywood
KANE, ANNIE MARIE ..... Chicago
KOELLE, OPHELIA MARIE ..... Chicago
LEONARD, LEILA G. ..... Chicago
MASON, HALLIE GERTRUDE ..... Chicago
PAVEY, JOSEPHINE I. ..... Chicago
PLENZ, HENRY JOHN ..... Chicago
PRINTY, EMMET ANTHONY ..... Chicago
RAUCH, EDITH G. ..... Ionia, Mich.
ROPP, THERESA ..... Chicago
ROWE, JUNE ..... Chicago
SCHILLING, ALICE CORNELL ..... Chicago
SCHMOEGER, WILLIAM GEORGE ..... Sterling
SMITH, CHARLES HENRY ..... Mulberry Grove
SNIVELY, ALICE FRENCH ..... Menonomie, Wis.
SNIVELY, LETITIA R. ..... Menomonie, Wis.
THEISS, MARY ..... Chicago
WERKMEISTER, MARIE K. ..... Evanston

Students in Summer School

Not Included in List of College Students

BRIDGE, ISABEL ..... Evanston
BURNETT, MARTHA ..... Chicago
CLAYTON, ALLEN BENJAMIN ..... Evanston
CHEW, CAROLYN FIDELIA ..... Evantson
DAVIS, IDA HARVEY ..... Chicago
DORNER, DOROTHY A. ..... Chicago
GAENSSLEN, CARL AUGUST ..... Chicago
HARPER, JAMES ROBB ..... Evanston
HERSTEIN, LILLIAN ..... Chicago
KNOOP, WALTER AREND ..... Chicago
LEE, JAMES ALBERT ..... Evanston
MASON, HELEN ..... Evanston
MCCULLOUGH, HUGH W. ..... Evanston

McCULLOUGH, BERT C. ..... Harvey
McCONOUGHEY, ARTHAMAY ..... Evanston
PEASE, SAMUEL JAMES ..... University, N. D.
RICHARDS, FRANCES REBECCA ..... Evanston
SCHUETT, WALTER W. ..... Evanston
SCHWARER, FRANK B. E. ..... Chicago
SMITH, EMORY JAMES ..... Chicago
SWARTZ, JERROLD F. ..... Evanston
WELLS, MARGUERITE ..... Evanston
WITTMEYER, GUSTAVE, JR. ..... Chicago

Law School Students Registered in College

BAKER, JAMES C. ..... Garrett, Ind.
EVANS, DONALD WINSLOW ..... Peoria
HULL, ISAAC HARVEY ..... Saunemin, O.
ROBERTS, EDWARD BROWN ..... Coshocton
WATSON, CHARLES HAMILTON ..... Monon, Ind.
WATSON, LEWIS MARTIN ..... Monon, Ind.
WENDLAND, CHARLES JOHN ..... Chicago
WILSON, LEON THEODORE ..... Chili, Ind.
WOLF, ALEXANDER ..... Chicago

School of Music Students Registered in College

ADLER, IRENE ..... Moorhead, Minn.
ARKWRIGHT, HAZEL ..... Helena, Mont.
BIRGE, RUTH ..... Grand Rapids, Mich.
BRADY, MABEL ..... St. Paul, Minn.
BRAGG, HELEN MAY ..... Evanston
CARTER, GERTRUDE ..... Evanston
COBLE, SALLIE L. ..... Delphi Ind.
CORWIN, LUCILLE ..... Jamestown, No. Dak.
COX, EDITH ..... Fort Dodge, Ia.
DAVIS, LOLA ..... Evanston
ELLIS, MARY LUCY ..... Flora
FELLOWS, JAMES DAVID ..... Fairfax, Mo.
FISHER, GRACE ETHELDRED ..... Chillicothe
FLEMING, LILLIAN ..... Manchester, Ia.
FREY, VERA ..... Freeport
GETZENDANER, ANNA ..... Polo
HART, LUCY A. ..... Ashton
HOLCOMB, JESSIE ..... Parsons, Kans.
HYDE, HERBERT ELIJAH ..... Chicago
JOHNSTON, BESSIE POWELL ..... Bucyrus, Ohio
KEMMON, IDA SOPHIA ..... La Grange
LEE, MARY LOUISE ..... St. Charles
McCABE, RUTH ..... Crawfordsville, Ind.
MAHER, STELLA COLLINS ..... Park Ridge
MELVIN, DAISY ..... Mound City, Mo.
MERCER, IDA IMOGENE ..... LaMoille
MERRILL, ADALINE ..... Evanston
MITCHELL, GRACE RAND ..... Mt. Carmel
MURDOCK, LEITA ..... Streator
OGILVY, JESSIE FRANCES ..... Seattle, Wash.
PAULSON, LILLIAN FRANCES ..... DesMoines, Ia.
PEARCE, LIDA ALMA ..... Oswego
RIPLEY, DOROTHY IONE ..... Burlington, Ia.

ROBERTS, EVA SPRAY ..... Evanston
SAUCERMAN, RUTH IRENE ..... Rock Grove
SKINNER, LORAINE ELLA ..... Dubuque, Ia.
SMITH, GERTRUDE ..... Sheldon
STONE, JANET TYRON ..... Hartford, Conn.
THOMPSON, NATHALIE ..... Chicago
TURNER, MARY VINETTA ..... Pekin
WALLIS, HELEN AUGUSTA ..... Maryville, Mo.
WARD, ESTHER ..... Evanston
WILLSON, MADGE ALTROURA ..... Edgerton, Wis.
WYLIE, GERTRUDE LOUISE ..... Saginaw, Mich.

Garrett Biblical Institute Students Registered in College

BALL, JOHN RICE ..... Seattle, Wash.
EVANS, JAMES DAVID ..... Gettysburg, So. Dak.
FISK, BRADFORD T. ..... Grand Island, Neb.
GETHMANN, CHARLES WESLEY ..... Oklahoma City, Okla.
GETHMANN, WALTER WESLEY ..... Reinbeck, Ia.
HAMRICK, LEWIS ALBERT ..... Minooka
KAHL, DELOSS ..... Elburn
KINGSLEY, IRA WILLARD ..... Cheyenne, Wyo.
LAWTON, BURKE ..... Twin Bluffs, Wis.
NAGLER, ARTHUR WILFORD ..... Evanston
PLANNETTE, ROY GREGORY ..... Menominee, Mich.
WALLACE, SAMUEL ..... Evanston
WOODMANSEE, CICERO MCGOWN ..... Evanston

Academy Students Registered in College

ANDREWS, JEROME EDSON ..... Berwyn
BARNETT, IRVING FRANCIS ..... Chicago
BUDLONG, KENNETH JOSEPH ..... Chicago
CHAPMAN, HELEN HOAGLAND ..... Evanston
CLARK, FLORENCE ..... Evanston
CLARK, HAROLD JOHNSON ..... Evanston
FROST, LOUISE MANN ..... Evanston
GREENWOOD, ROBERT CAMPBELL ..... Lake Mills, Wis.
HILLMAN, MIRIAM ..... Evanston
KRETZMANN, ARTHUR JOHN ..... Chicago
KAHLO, LUCILLE AGNES ..... Evanston
LARSON, HAROLD OTIS ..... Evanston
LOCY, FRANCIS EASTMAN ..... Evanston
LIVINGSTON, ESTHER CRESWELL ..... LaCrosse, Wis.
ONTIVEROS, LORENZO ..... Batopilas, Mexico
PRICE, ERNEST EDWIN ..... Chicago
ROBERTS, SIDNEY MITCHELL ..... Chicago
SMITH, EDWIN OSCAR ..... Suiter, Ohio
SWEET, GENEVIEVE ELLEN ..... Evanston
SWIM, WILLIAM ALLEN ..... Millersville
ZUKERMAN, WILLIAM ..... Chicago
SZEKELY, LOUIS ..... Illinois

MEDICAL SCHOOL

Regular Course

Fourth Year

ACKEMANN, HARRY WILLIAM.....Illinois
ALEXIS, GEORGE .....Louisiana
ALLEN, ORRIS THOMAS.....Illinois
ANSPACH, ROYAL GLENWOOD.....Iowa
ARMSTRONG, GUY EDWARD.....Wisconsin
AYLING, GILBERT HAVEN.....Illinois
BARROWS, ROY EDGAR.....Indiana
BELTING, GEORGE WILLIAM.....Illinois
BERNARD, EMIL LAWRENCE.....Illinois
BERNHARDT, HARRY BERNARD .....Illinois
BIRD, JOHN TEN BROECK.....Illinois
BLATTSPIELER, ARNOLD CHARLES.....Iowa
BOND, EDWIN EVERETT.....Illinois
BONDURANT, FLINT .....Illinois
BOURDEAU, CORAN LOUIS.....Montana
BOUSFIELD, MIDIAN OTHELLO, A.B., University of Kansas.....Missouri
BOWERS, WILLIAM BALDWIN, B.S., Wesleyan University.....Nebraska
BROBERG, ALBERT WILLIAM.....Minnesota
BROWN, STANLEY LEE.....Michigan
BRUNNER, WALTER JACOB .....Iowa
BUDGE, BEN GARFIELD, B.S., Iowa State College.....Iowa
BUDGE, EDWIN STRATFORD.....Idaho
BUNDESEN, HERMAN NIELS.....Illinois
BUTLER, ARTHUR DE LYONS, A.B., Northwestern University.....Illinois
CAMP, HAROLD MANLOVE.....Illinois
CANAVAN, JOHN LADISLAUS.....Illinois
CARLIN, HAYES WILLIAM.....Illinois
CARSON, HARRY RAY, Ph.G., B.S., Valparaiso University.....Indiana
CHARLES, THOMAS GOODELL.....Illinois
CHASE, WARREN WALTER.....Illinois
CHEATHAM, ANDERSON WILLIAM PETER, A.B., Fisk University....Alabama
CHILDS, COLVIN BURR.....Illinois
CHRISTOPHEL, WALTER B.....Indiana
CLARIDGE, RALPH A.....Wisconsin
CLOSSEN, CHARLES LOGAN.....Iowa
COLLINS, WILLIAM HOMER, B.S., Valparaiso University.....Indiana
COLLINS, WILLIAM THOMAS .....Michigan
COPPS, WILLIAM O'KEEFE.....North Dakota
CORNETT, GEORGE WALTER.....Washington
CROWLEY, WILLIAM SIMON.....Illinois
DANNENBERG, BERT ANDERSON .....California
DANSKIN, MELVILLE GEORGE .....Iowa
DARDAS, JAMES ALOYSIUS, Ph.B., St. Jerome's College.....Michigan
DAVIS, COLBERT SMITH, A.B., Fisk University.....Texas

DENNY, FRED C.....Indiana
DEVANY, ANDREW JOSEPH .....Indiana
DONALDSON, HENRY BARDWELL.....Illinois
DUNNINGTON, RUEL NORMAN.....Michigan
EDMONDSON, EDWARD EVERETT, M.D.....Texas
ELIASON, PEHR WILHELM.....Utah
ELLIS, CLIFFORD COWDELL.....Tennessee
FISCHER, HAYDN LYLE.....Illinois
FISHER, WILHELM RUDOLPH.....Kansas
FITZPATRICK, MATTHEW JOSEPH.....Iowa
FLETCHER, ARTHUR JOHN.....Ohio
FORMIS, JOHN KIRK.....Italy
FUERSTENAU, LOUIS AUGUSTUS.....Wisconsin
FUNKHOUSER, OSCAR BRUNK.....Illinois
FURMAN, RAYMOND WALTER.....Wisconsin
GERHARDT, AUGUST EDWARD, Ph.G., University of Illinois.....Illinois
GHABRIEL, ADEEB IBRAHIM.....Syria
GLEDHILL, THOMAS RAY.....Utah
GOLL, CHARLES GEORGE.....Ohio
GOODWIN, AUREL .....Indiana
GREENBAUM, GEORGE BEN.....Illinois
GROENLUND, WILHO ARVID.....California
GROOM, CORWIN PETER.....Kansas
HAMILL, CLAUDE EMMETT, A.B., University of Kansas.....Kansas
HAMILTON, BENJAMIN CHARLES, JR.....Iowa
HARLAN, NOAH ROBERT.....Iowa
HARRIS, MONROE .....Illinois
HARTIGAN, EUGENE LAURENCE, B.S., Ph.B., University of Chicago...Illinois
HEALY, MICHAEL EDWARD.....Illinois
HEDBERG, DAVID LEONARD.....Illinois
HENDERSON, JOHN THOMAS.....Louisiana
HESS, EMORY LE ROY.....Illinois
HESTON, EDWARD CALDER, Ph.G., South Dakota Agricultural College..
South Dakota
HICKMAN, CHARLES STEPHEN.....Iowa
HIGGS, WALTER, A.B., University of Wisconsin.....Indiana
HILLS, LESTER HARPER .....Illinois
HOLZHAUER, FRANK ARTHUR, B.S., Valparaiso University.....Ohio
HOWSER, REID OWEN .....Ohio
HUTCHINSON, GEORGE ARCHIBALD.....Illinois
JEPPSON, OTTO HEBER.....Utah
JONES, DANIEL DAILEY..... Ohio
JONES, HAROLD ELDRED.....Illinois
JORGENSEN, NEIL .....California
KELLY, PHILEMON MERRILL.....Utah
KERN, HENRY WILLIAM.....Illinois
KIENZLE, FRANCIS CONSTANTINE.....Illinois
KREUSCHER, PHILIP HENDRIX.....Nebraska
LANDGRAF, JOHN WILLIAM.....Illinois
LANG, OSCAR FREDERICK, B.S., Valparaiso University.....Minnesota
LARSON, JOSEPH EMANUEL.....Kansas
LEIGHTON, ISAAC WELLMAN.....Iowa
LEPAK, FRANK JOHN, B.S., Ph.G., Valparaiso University.....Minnesota
LINDSAY, ARTHUR ROBERT.....Illinois
LINN, HUGH HARRISON, B.S., Simpson College .....Iowa
LYONS, EDWARD WALSH.....Illinois
MCCABE, WALTER WALLACE.....Montana
MCCLANAHAN, JAMES HAROLD, A.B., Monmouth College.....Illinois

McClure, William Leander.....Washington
McDowell, Anderson Eddie.....Washington
McGee, Harry .....Illinois
McGuinn, Frank Thomas .....Illinois
Magee, Emery Ernest, B.D., Iowa State Normal School.....Iowa
Martin, Dale Levi.....North Dakota
Mason, Everett Lee, M.D.....Wisconsin
Melzer, Simon Wenzel, Jr.....Wisconsin
Mensing, Edmund Hermann.....Wisconsin
Minter, John Mills.....Illinois
Mitchell, Frederick John, M.D.....Wisconsin
Mix, Harry Collin .....Illinois
Moore, William Nelson.....Wisconsin
Moran, James Henry.....Illinois
Mountford, George Thomas.....North Dakota
Nahman, Adolph Herman.....Illinois
Neal, John Ross, Jr.....Illinois
Neumann, Conrad Allen.....Minnesota
Newell, Harris Andrews.....Iowa
Nilsson, Frederick Cornelius.....South Dakota
Nystrom, Elmer Edwin.....Illinois
Oberman, Abraham Max.....Illinois
Openshaw, Clarence Roy.....Utah
Panter, Samuel Goodall, Jr., Ph.G., Creighton College of Pharmacy
Nebraska
Pelton, Ora Levant, Jr.....Illinois
Pence, John Robert.....Iowa
Peterson, Henry Lawrenzo .....Minnesota
Pond, Casper Whittle.....Idaho
Prudden, Clyde Edward.....Minnesota
Rabe, Otto John, B.S., Valparaiso University.....Iowa
Ray, Fred Merton.....Idaho
Relihan, Harry James, A.B., University of Kansas.....Kansas
Richman, Samuel Herbert.....Illinois
Roberson, William Harrison.....Illinois
Seydell, Ernst Morris.....Illinois
Shackelton, William Elsworth.....Michigan
Simon, George Hermann.....Minnesota
Slinde, Arthur Christian.....Wisconsin
Spurck, Peter Thomas.....Illinois
Stearns, Robert Wilson, B.S., University of Iowa.....Iowa
Supple, Arthur Blaise.....Illinois
Sutherland, Charles Henry, M.D.....Wisconsin
Swan, Charles Joseph, M.D.....Illinois
Szekely, Louis .....Illinois
Towne, Lawrence Chatfield.....Michigan
Trace, Isidore .....Illinois
Trombley, Frank Fillion.....Michigan
Vanatta, Frank Cline.....Iowa
Van Pelt, Roscoe Samuel, A.B., Northwestern University.....Illinois
Verdenius, John Jacob.....Illinois
Wade, Benjamin Newton.....Minnesota
Wall, Cornelius Walter.....Kansas
Welker, Charles Jones .....Illinois
White, Seward .....Illinois
Williams, Herbert Lewis.....Illinois
Wolf, Louis Harry.....Illinois

WOOLLEY, HYRUM SMITH, JR.....Idaho
WORRELL, RALPH EUGENE.....Illinois

Third Year

ABDUNNUR, ALBERT SIMONS.....Syria
ANGEL, LE ROY ELBERT.....Nebraska
APFELBACH, GEORGE LEONARD, A.B., Northwestern University.....Illinois
BARTON, HUGH PIERCE.....Iowa
BEARD, GUY EDWARD.....Ohio
BENNETT, CORNIE.....Illinois
BROCK, GEORGE WILLIAM.....Illinois
BRONSON, WALTER TEED.....Illinois
BROWN, HENRY STANLEY.....Pennsylvania
BRYANT, HENRY CLAY, A.B., Fisk University.....Alabama
BURKE, JOHN JAMES.....Wisconsin
BUSSARD, ROBERT IRA.....Illinois
BUSTER, HARRY CRYNDLON, A.B., Fisk University.....Tennessee
CAMPBELL, CLAUDE MELVILLE.....Minnesota
CANNADAY, EARLE EMORY.....Michigan
CHAMBERLAIN, EDWIN FRANK.....Montana
CHATTERTON, CARL CLAYTON.....Iowa
COLLIER, CASA.....Mississippi
CONYERS, CHESTER.....Illinois
COULTER, WILBUR EDWIN, B.S., State University of Iowa.....Iowa
CULBERT, MILO HERMAN.....Indiana
DAVENPORT, FRANK NOBLE.....Illinois
DEASON, FRANK WILHELM.....North Dakota
DISHMAKER, DANA.....Wisconsin
DONAHUE, WILLIAM EDWARD.....Wisconsin
DORSEY, THOMAS JAMES.....Iowa
DUMKE, EZEKIEL RICKER.....Wisconsin
DUNCAN, WILLIAM CUNNINGHAM.....California
EASTMAN, OSCAR FRED, A.B., University of Kansas.....Kansas
ELLIOTT, BENJAMIN EDELSTEIN.....Illinois
EMMETT, WALTER ROLLO.....Utah
FARNHAM, WALDO CLAY.....Ohio
FERGUSON, EDWARD CLIFTON, Ph.M., Tulane University.....Texas
FINNEGAN, THOMAS FRANCIS, JR.....Illinois
FLATH, MILFORD GARBUTT.....North Dakota
FOSTER, JESS WALTER.....Iowa
FRAZIER, CHARLES, B.S., Purdue University.....Indiana
FRIESEN, HENRY JACOB, B.S., Northwestern University.....Minnesota
GARLOCK, ARTHUR VARNEY.....Minnesota
GHABRIEL, NASRI.....Syria
GOODMAN, LEO ALBERT.....Iowa
GOSIN, DONNIE FRANCIS.....Wisconsin
GREEN, ABRAHAM CHESTER.....Illinois
GREENBERG, IRA EDWARD.....Illinois
GREGORY, JAMES TOWNSEND.....Illinois
HALL, JOHN CARROLL, JR.....Illinois
HARTNAGEL, GEORGE.....Indiana
HARTRICK, LOUIS EUGENE, B.S., University of Illinois; Ph.G., Ph.C., Northwestern University.....Illinois
HAUCH, CHRISTIAN DAVID.....Illinois
HEFTY, CLARENCE ARTHUR.....Wisconsin
HENDRICKSON, HERMAN.....Wisconsin
HENNEY, CHARLES WILLIAM.....Iowa
HENRY, GEORGE HERBERT, A.B., Austin College.....Illinois

HODGE, STANLEY VINCENT.....Illinois
HOLGATE, RALPH CARLTON.....Montana
HOLMES, WILLIAM HENRY.....Illinois
HOLMGREN, KNUT DAVID.....Sweden
HOPKIRK, CLARENCE COWLES.....Iowa
HOSTETTER, JOHN HULL.....Iowa
HUBER, JOSEPH EMIL, Ph.G., Philadelphia College of Pharmacy....Illinois
JACOBS, BURTON LE ROY.....Tennessee
JACOBS, EDWARD BENJAMIN.....Illinois
JIRKA, FRANK JOSEPH.....Illinois
JOHNSON, CECIL EMERSON.....Illinois
JOHNSON, CHARLES NELSON.....Kansas
JOHNSON JAMES ANDREW.....Wisconsin
JOSLYN, LESLIE BURRITT.....Illinois
JUHNKE, LEO ANTONY.....Illinois
KANZLER, REINHOLD .....Nebraska
KEENER, ALBERT CHESTER.....Illinois
KING, JESSE EARL.....Texas
KIRMSE, ALVIN .....Wisconsin
KNAUF, ARTHUR JOHN.....Wisconsin
LACKNER, JULIUS ERNEST, B.S., University of Chicago.....Illinois
LAKE, WILLIAM HENRY.....Michigan
LANCASTER, JESSE SAMUEL.....Nebraska
LAZARSKI, BOLESLAW KARL.....Illinois
LEAHY, PAUL JAMES.....Ohio
LEAHY, THOMAS MURRAY.....Ohio
LINDSAY, WILLIAM CARROLL.....Wisconsin
LORIMER, WISHARD SPEER.....Kansas
LUNDBY, JOHN LANGLAND.....Iowa
MCCAULEY, WILLIAM BERNARD.....Iowa
MCKINLEY, JAMES JOSEPH.....Illinois
MALEY, GEORGE ELZEAR, B.S., Knox College.....Illinois
MALOTTE, KARL RAYMOND.....Missouri
MATLOCK, THOMAS T.....Kansas
MAYNARD, CARL WESLEY, A.B., Morningside College.....Iowa
MIGELEY, WALTER LOUIS, M.D.C.....Illinois
MILLER, SAMUEL T.....Iowa
MOORE, GEORGE SHEPPARD, A.B., Fisk University.....Tennessee
MOORE, HOMER FRANK.....Illinois
MORGAN, EDWIN CLYDE, A B., University of Kansas.....Kansas
MORROW, ERNEST L., A.B., University of Kansas.....Kansas
MOWRY, WILLIAM ATWOOD.....Illinois
MURDOCK, JOSEPH ANTON.....Wisconsin
MYERS, LOUIS .....Illinois
NAEGELI, FRANK, A.B., Northwestern College.....Minnesota
NELSON, AXEL SVERRE.....Minnesota
NELSON, JOHN ERNEST.....Nebraska
NIX, MILTON ARTHUR.....South Dakota
NOLAN, THOMAS JAMES, Ph.G., Northwestern University.....Illinois
O'NEILL, CHRISTOPHER SAGER.....Illinois
OVITZ, JOHN ALDEN.....Wisconsin
PATEE, ELIPHALET THIERER.....Illinois
PFEILER, ADAM GEORGE, JR.....Wisconsin
PLENZ, HENRY JOHN.....Illinois
PLUMMER, WILLIAM ALBERT.....Minnesota
POOL, CLARENCE GILBERT.....Illinois
PORTER, JOHN RICE.....Illinois
PRESTON, FRENN LESLEY.....Michigan

QUILLIN, LAURENCE J.....Nebraska
REAM, ALBERT LOUIS, B.S., Northwestern University.....Illinois
REBMAN, EMORY CHESTER.....Minnesota
REDMOND, WILLIAM HENRY.....Iowa
REED, STANLEY GOODRICH.....Kansas
REFSDAHL, OLAF.....Minnesota
RHEIM, JOHN EMMETT.....Montana
RISTINE, EARLE FRANCIS.....Missouri
ROBERTS, EDWARD NEUMAN.....Illinois
ROBINSON, JAMES HENRY.....Illinois
ROGDE, JACOB.....Illinois
RUSH, EUGENE ALPHONSUS, Ph.G., Notre Dame University.....Illinois
SCHLEUTER, REINHOLD.....Illinois
SEYMOUR, WILLIAM AUGUSTUS.....Wisconsin
SHELVER, HENRY JULIUS.....North Dakota
SMITH, ALFRED NELSON.....North Dakota
SMITH, JOSEPH NEELANDS.....Canada
SNYDER, KARL AVERY.....South Dakota
SPARLING, JAMES LYONS, A.B., Northwestern University.....Illinois
STACKHOUSE, CLYDE ERNEST.....Illinois
STAUFFER, LESLIE JOHN.....Minnesota
STEVENSON, LESTER ALANSON.....Utah
STRASS, HERBERT WILLIS.....Wisconsin
THIMLAR, JAMES WILEY, Ph.G., Valparaiso University.....Indiana
THOMAS, WILLIAM ALLEN.....Michigan
TINKER, FRANK ENOS, B.S., D.D.S., University of Iowa.....Iowa
TOLLEFSEN, ADOLPH DAHL.....Illinois
TRAINOR, CLARENCE ALFRED.....Illinois
TREKELL, EMERY.....Kansas
TRIMBLE, CHARLES GARNET.....Canada
VALLELY, JOHN LINTON JOSEPH.....Illinois
VANCE, JAMES ST. CLAIR.....Illinois
VAN DELLEN, ALFRED LUBBERT.....Illinois
VAN DOREN, RAYMOND FLEMING.....Illinois
VIOLET, JOSIAH CLAIRE.....Iowa
WANNINGER, WENZEL JOSEPH.....Wisconsin
WEBER, ARTHUR LEO, A.B., McKendree College.....Illinois
WENDT, ALFRED.....Illinois
WHITING, WILLIAM THOMAS, JR.....Illinois
YOUNG, WILL.....Wisconsin

Second Year

ABBOTT, WILLIAM ROBERT.....Illinois
ALLISON, HAROLD T., Ph.G., South Dakota Agricultural College.....
South Dakota
ALYEA, OLIVER EDMOND.....Illinois
ANDERSON, HARRY JOSEPH.....Missouri
APPLE, WILLIAM RUFUS.....Illinois
ARMSTRONG, WALTER WALDO.....Ohio
ARNDT, HARRY WILLIAM.....Minnesota
AUSMAN, CARL FREDERICK.....Wisconsin
BAKER, GLENN LLEWELLYN.....Minnesota
BELL, HERBERT YEOMANS, B.S., Northwestern University.....Colorado
BELL, LEWIS BARCLAY, A.B., Northwestern University.....Colorado
BEST, FLOYD ELLSWORTH.....Illinois
BLAHNIK, KAREL BARTHOLOMAE, Ph.G., University of Illinois.....Illinois
BLY, FREDERICK HARVEY, A.B., De Pauw University.....Illinois
BOON, ALFRED HENRY.....Illinois

Boyden, Guy Lee, B.S., South Dakota Agricultural College..South Dakota
Brian, Frederick Willard, B.S., Illinois Wesleyan University....Illinois
Brown, Eugene Harold.....Colorado
Brown, Vivus William.....Wisconsin
Buchbinder, Jacob Richter.....Illinois
Campbell, Guy Edward.....Minnesota
Carney, Walter Willis.....Kansas
Chase, Martin Rist, M.S., Northwestern University.....Illinois
Christiansen, George.....Wisconsin
Coffey, Roy Calhoun, B.S., Northwestern University.....Illinois
Cole, Harrold Paul.....Iowa
Collins, Francis Augustine.....New York
Condon, John Joseph.....Illinois
Crow, Lloyd Benjamin.....California
Cruz, Adriano Talbos.....Philippine Islands
Deal, John Francis Henry.....Illinois
Diers, Harry Frederick.....Nebraska
Empie, William Maxwell.....Illinois
Ferguson, James Robert.....Nebraska
Fountain, Edwin Ray, A.B., University of Oregon.....Oregon
Frazin, Nathaniel Daniel.....Illinois
Frey, Arthur Garfield, A.B., Valparaiso University.....Illinois
Fry, John Lewis.....Wisconsin
Galbreath, Russell Sheridan.....Indiana
Ghent, Charles Harry.....Illinois
Gillette, Charles Lupton.....Iowa
Given, Milton Abe.....Indiana
Glafke, William Harley, A.B., University of Oregon.....Washington
Goodman, Charles.....Illinois
Gunderson, Harley James.....Wisconsin
Gutierrez, Perpetuo Dionisio.....Philippine Islands
Hall, Clarence Walter.....Illinois
Hall, Frank Wilford.....Illinois
Hamilton, William Forrest.....Illinois
Hammer, Arthur Wesley.....Illinois
Heller, Frederick Merwin, B.S., Northwestern University.....Colorado
Henkel, Herbert Bailey.....Illinois
Hester, Ralph Nelson.....Illinois
Hobbs, Charles Alfred, Jr., A.B., Brown University.....Illinois
Hoesley, Henry Franklin.....Illinois
Hofrichter, Joseph.....Illinois
Hole, Melvin Leo.....Illinois
Isherwood, Paul Alonzo.....Illinois
Jackman, Charles Bernard, Ph.G., University of Iowa.....Nebraska
James, Harry Lorenzo.....Illinois
James, William Alfred.....Illinois
Johnson, Norton Theodore.....Minnesota
Johnston, Louis Campbell.....Illinois
Jones, Jay Glen.....Ohio
Jordan, John Henry.....Iowa
Kaczkowski, Joseph Charles, Ph.G., Northwestern University....Illinois
King, William Scott.....Illinois
Krzysko, Stanley Leon.....Wisconsin
Lacey, Martin J., Ph.G., University of Washington.....Washington
Lagorio, Frank Ambrose, A.B., St. Ignatius College.....Illinois
Lande, Benjamin.....Minnesota
Leaf, Hugh Mack.....Illinois
Lee, William Andrew, A.B., Central Normal College.....Illinois

LEININGER, ELMER CLYDE.....Indiana
LEVITON, NATHAN DAVID.....Illinois
LOOK, SYLVESTER GEORGE BENJAMIN FRANKLIN.....North Dakota
MCGUIRE, EDWARD JAMES.....New York
MCKINNEY, FRANK STEWART, A.B., Illinois College.....Illinois
MABEE, MELBOURNE.....Wisconsin
MACLEAN, WILLIAM ARCHIBALD.....Michigan
MAGNUS, ADOLPH MARINIUS.....Norway
MASON, WILLIAM MICHAEL.....New York
MEIXNER, FRED MORRIS, Ph.G., Illinois School of Pharmacy.....Illinois
MENDELSON RALPH WALDO.....Colorado
MERBITZ, MARTIN HENRY.....Illinois
MILLER, JOHN WILLIAM.....Pennsylvania
MORRIS, IVOR HUGH.....Illinois
MOYES, GEORGE GOWANS.....Utah
MURPHY, LEA MARION.....Minnesota
MURPHY, WALTER WAUGH, A.B., Northwestern University.....Kansas
NARDI, JOHN BAPTIST.....Illinois
NIELSON, MOSES MARION.....Utah
NEWTON, ABE MARK.....Illinois
NUSBAUM, PAYSON LA VERN, B.S., Northwestern University.....Indiana
NYBERG, CHARLES ROBERT.....Minnesota
O'DONOGHUE, THOMAS JOSEPH.....Illinois
PATEJDL, JAMES, Ph.G., Illinois College of Pharmacy.....Illinois
PATTON, AMBLER BAXTER, B.S., Northwestern University.....Utah
PITTS, GAYLORD EUGENE.....Wisconsin
POWER, WALTER FRANCIS.....Washington
RAINEY, WARREN ROBERT.....Illinois
RITZE, JOHN ADAM.....Missouri
ROBINSON, CHARLES OTIS.....Iowa
ROCHE, ARTHUR PHILLIP.....Illinois
ROLNICK, HARRY CHARLES.....Illinois
ROSS, HIRAM EARL.....Illinois
ROWLEY, FRED JEROME.....Illinois
RUDOLPH, LOUIS.....Illinois
SALTER, NEY MILTON, B.S., Hedding College.....Illinois
SCHNOOR, ELMER WELLPOTT.....Nebraska
SCHULTZ, ALBERT ANDREW.....Iowa
SCHULZ, OTTO HENRY, D.D.S., Northwestern University.....Germany
SCHURMEIER, HARRY LEACH.....England
SCHWERDTFEGER, FRANK D.....Iowa
SHALETT, BENJAMIN JOSEPH.....Minnesota
SHREFFLER, ARTHUR LEE.....Illinois
SINCOCK, HENRY ARTHUR.....Minnesota
SISSAKIAN, KEROPE HARTIN, A.B., Roberts College.....Turkey
SMITH, CLYDE TENNYSON.....Washington
SORGATZ, GEORGE FREDERIC.....Kansas
STELTER, EMIL JOSEPH.....Illinois
STRANBERG, WALTER LEONARD.....Illinois
STUHR, WALTER ANTHONY, B.S., D.V.M., Iowa State College.....Iowa
SUMKOWSKI, LEONARD SYLVESTER.....Illinois
SUTTON, DON CARLOS.....Illinois
TRESSEL, HENRY ARTHUR.....Indiana
VAN RIE, LEO PAUL, Ph.G., Notre Dame University.....Indiana
VAUGHAN, ORLEY MASON.....Michigan
VAUGHAN, WILLARD ROBERT.....Michigan
VERMEER, GERRIT EDWARD.....Iowa
WALSH, THOMAS BURKE.....South Dakota

WATTERS, HENRY GUSTAV.....California
WESSELS, ANDREW BENJAMIN.....Michigan
WILEY, CHARLES RAYMOND.....Illinois
WILKINSON, BARCLAY, Ph.G., Northwestern University.....Illinois
WILLIAMS, PERCIVAL MILTON, B.S., Ph.G., South Dakota Agricultural College.....South Dakota
WOLFERMANN, SIDNEY JONAS.....Illinois
WOODWARD, ASA GEORGE.....Montana
WRIGHT, EDWARD BLAKE.....Canada

First Year

ALCOCK, NATHANIEL GRAHAM, M.S., Northwestern University..Wisconsin
BADCON, SIDNEY WATSON.....Utah
BANE, WILLIAM MATHEWS, B.S., Princeton University.....Colorado
BATT, GEORGE WILLIAM.....New York
BESTE, ARNIM CONRAD.....Illinois
BUTLER, JAMES HENRY.....Georgia
CALLAHAN, ALBERT REIS.....Wisconsin
CARTWRIGHT, EMOR LOPP.....Ohio
COTTON, WENDELL.....Wyoming
CUMMINS, ERWIN JEPHTHA.....South Dakota
DAVIS, JAMES ROBERT.....Missouri
DEVERS, WASHINGTON IRVING.....South Dakota
EBERHARDT, FREDERICK GEORGE.....Indiana
ECKSTEIN, ARTHUR WILLIAM, Ph.B., University of Minnesota....Minnesota
FARNHAM, ELI ASEPH.....Ohio
FLACK, WILLIAM D.....Ohio
FLYNN, LEO HOWARD.....Illinois
FREED, JOHN ELIAS.....Indiana
FRUTH, VIRGIL JAYE.....Ohio
GIBSON, WILLIS STANLEY, A.B., De Pauw University.....Illinois
GOLDFINE, ASCHER HARRIS.....Illinois
GOODMAN, JACOB, Ph.G., Illinois School of Pharmacy.....Illinois
GOONE, WILLIAM NUCHIM.....Illinois
GUTHREY, CLAUD SIMPSON.....Missouri
HARDY, OSCAR ROI.....Utah
HARRINGTON, RAYMOND REGAN.....Illinois
HATFIELD, NATHAN.....Ohio
HELLER, MATTHEW, JR., D.D.S., Northwestern University.....Kansas
HERR, ALBERT HARRY.....Illinois
HIRSCHLE, HARRY GRIFFITH.....Illinois
HORNSBY, HUBERT PRIMM.....Illinois
JACOBS, FREDERICK CASPER, A.B., De Paul University.....Illinois
JAROS, JOSEPH FRANCIS.....Illinois
KLAMT, ANTON CARL, Ph.G., Fremont College of Pharmacy.....Nebraska
KNAPP, ARTHUR LEROY, B.S., Valparaiso University; D.D.S., Chicago College of Dental Surgery.....Indiana
LAZARUS, MYRON REISER.....Illinois
LEWIN, CHARLES LEWIS.....Illinois
LONG, HENRY WEBSTER.....Indiana
MCGUIRE, WILLIAM ALOYSIUS, A.B., St. Viateur College.....Illinois
MCKINNEY, JAMES ROBERT.....Canada
MACER, CLARENCE GUY.....Indiana
MARKSON, DAVID EDMUND.....Illinois
MARRS, FREDERICK ADISON, Ph.G., Purdue University.....Illinois
MICHAEL, HERMAN CHARLES, Ph.G., University of Iowa.....Indiana
MOSS, CHARLES TAYLOR, A.B., University of Illinois.....Illinois
NEAL, WILLIAM BARTH, A.B., University of Oregon.....Oregon

Newell, Howard Heg.....Wisconsin
Ovitz, Ernest Gayhart.....Wisconsin
Packard, Robert Goodale, A.B., University of Colorado.....Colorado
Parks, Charles William.....Nebraska
Perkins, Edgar Verne, B.S., Central Normal College.....Illinois
Porter, James Arthur.....Iowa
Robertson, Arthur Thomas.....Illinois
Roche, Richard Ambrose.....Illinois
Schmoeger, William George.....Illinois
Schruth, John Lewis.....North Dakota
Scott, Leonard Case, Ph.D., Berlin University.....Illinois
Smith, Charles Henry.....Illinois
Steele, Pierre Abel.....Illinois
Thompson, William John.....Wisconsin
Tilton, Welcome Blaine, A.B., William Jewell College.....Missouri
Turner, Gus Burton.....Illinois
Van Alstine, Guy Sherman.....South Dakota
Woodward, Frank Albert.....Montana

Unclassified Students

Barth, Henry Nicholas.....Illinois
Behrendt, Edmund Adelbert.....Illinois
Blumenkranz, Louis.....Illinois
Bonthius, Andrew.....Illinois
Cress, Earl Elliott.....Iowa
Edison, Isador Arthur.....Illinois
Frederick, Cleveland.....Minnesota
Gessner, Frederick William.....Oklahoma
Gowland, Harry Edmund.....North Dakota
Hankee, Paul Richard.....Wisconsin
Hofmann, Henry.....Illinois
Love, Raymond Stanley.....Kansas
McManus, Joseph Peter.....Iowa
Schleuter, Reinhold.....Illinois
Trimmer, Frank Miller.....Ohio
Volin, Harvey Porter, Ph.G., South Dakota Agricultural College.....South Dakota
Wayson, Newton Edward, B.S., Johns Hopkins University.....Illinois
Whipps, Charles Elmo.....Indiana

Special Students

Aldrich, Charles Anderson.....Illinois
Bleifuss, Walter Franklin.....Minnesota
Bohling, Bernard Stanton.....Iowa
Bucher, Claude Earl.....Illinois
Collin, Weller Marcellus.....Ohio
Dougherty, G. P.....Illinois
Earel, John, M.D.....Illinois
Eisensteadt, Joseph, D.D.S., Northwestern University.....Illinois
Finney, Horace Maynard.....Ohio
Gault, H. C., M.D.....Illinois
Haroldson, Olaf.....Illinois
Hastings, Donald Woods.....Iowa
Howg, Edwin Marius, M.D.....South Dakota
Iddings, Harold.....Illinois

Jordan, Albert Amos, M.D. ..... South Dakota
Kalish, W. J. ..... Illinois
Kyle, R. T. ..... Illinois
Laing, E. R. ..... Illinois
Magee, I. J. ..... Illinois
Mattox, Ellis ..... Indiana
Micheli, Arthur John ..... Indiana
Miller, B. F., M.D. ..... Illinois
Morrill, Louis Grant ..... Michigan
Mostrom, Henning Theodore ..... Iowa
Murphy, Leonard J. ..... Illinois
Nelson, David Edwin ..... Illinois
Osborne, Harry Levi ..... Kansas
Parkinson, Raymond F. ..... Illinois
Penney, Hartley Lee ..... Iowa
Redelings, L. H. ..... Illinois
Rosenheimer, Max, M.D. ..... Wisconsin
Sharp, Joseph Edward ..... Indiana
Shepard, B. F. ..... Illinois
Spearman, Harry Hutchinson ..... Illinois
Spilman, Harold Augustus ..... Iowa
Stephens, Virgil Ray ..... Illinois
Thurman, W. L. ..... Illinois
Von Hess, Charles Leonard ..... Minnesota
Walker, Harry ..... Illinois
Watson, Lewis Martin ..... Indiana
Willcockson, J. R. ..... Illinois

Training School for Nurses

Baldwin, Edith, Wesley ..... Iowa
Blanchard, Altha, Wesley ..... Illinois
Boozen, Nellie, Englewood ..... Illinois
Brookhart, Della, Wesley ..... Iowa
Butterfield, Mabel, Englewood ..... Illinois
Campbell, Euphenia, Wesley ..... Canada
Cummins, Margaret, Wesley ..... Illinois
Deach, Grace, Wesley ..... Illinois
Farrar, Minnie, Englewood ..... Kansas
Ferguson, Winifred, Wesley ..... Canada
Finby, Carrie, Wesley ..... Canada
Gage, Lena, Wesley ..... Missouri
Gage, Lillian, Wesley ..... Canada
Gore, Ora, Englewood ..... Illinois
Gregg, Cleo, Wesley ..... Nebraska
Gustafson, Elvira, Englewood ..... Illinois
Hofman, Rose, Wesley ..... Illinois
Howe, Minnie, Wesley ..... Illinois
Johnson, Anna, Wesley ..... Illinois
Johnston, Margaret, Wesley ..... Canada
Marshall, Fannie, Englewood ..... Canada
Minor, Kathryn, Englewood ..... Iowa
Niblock, Lillian, Wesley ..... Illinois
O'Neill, Gertrude, Wesley ..... Iowa
Patterson, Ena, Wesley ..... Canada
Peterson, Agnes, Englewood ..... Illinois
Pettigrew, Sarah, Wesley ..... Ohio
Prebe, Evelyn, Wesley ..... Wisconsin

ROOD, IDAH, Wesley ..... Iowa
ROOT, MABEL, Englewood ..... Illinois
RICHTMAN, ESTHER, Wesley ..... Illinois
STEFFEN, EMMA, Englewood ..... Illinois
SWANK, BERTHA, Wesley ..... Ohio
TALCOTE, OLIVE, Wesley ..... South Dakota
TAUBER, ERMA, Wesley ..... Illinois
VOGELMAN, ROSE, Englewood ..... Indiana
WORTSMAN, EMMILGENE, Wesley ..... Illinois

LAW SCHOOL

Graduate Students

ALSAGER, C. MARTIN, A.B. Lombard University, LL.B. Northwestern University ..... Chicago
ARTHUR, WILLIAM REED, A.B. Washburn College, LL.B. Northwestern University ..... Chicago
MACCHESNEY NATHAN WILLIAM, A.B., LL.B. University of Michigan ..... Chicago
MILKEWITCH, ISAAC, LL.B. John Marshall Law School ..... Chicago
OLSON, OLAF ADOLPH, LL.B. Northwestern University ..... Chicago
PERLMAN, ISRAEL BURR, M.L. John Marshall Law School ..... Chicago
REARDON, NEAL DANIEL, A.B. University of Illinois, LL.B. Northwestern University ..... Chicago

Third Year

AMBERG, WALTER ARNOLD ..... Chicago
ANDERSON, ERNEST EMIL, B.S. Northwestern University ..... Donovan
ANDREWS, HIRAM WELLS, Knox College ..... Geneseo
ARNOLD, EARL CASPER, A.B. Baker University ..... Iola, Kans.
BAIN, LEWIS ARTHUR, Lewis Institute ..... Chicago
BASTA, GEORGE ALDRICH ..... Chicago
BEATTY, FRANK M., A.B. Iowa Wesleyan University ..... Thornburg, Ia.
BEDNORZ, CHARLES, Associate in Science, University of Chicago ..... Chicago
BERNSTEIN, ALECK LOUIS ..... Chicago
BLAKE, GUY MINNICH, A.B. Northwestern University ..... Chicago
BOOSEL, JOSEPH ..... Chicago
BROSNAN, PATRICK JOSEPH ..... Chicago
BUTLER, LEROY DAWSON ..... Madison, Wis.
BUTZ, ROBERT OTTO, Harvard College ..... Winnetka
CARTER, ALLAN JOHN, A.B. University of Illinois ..... Evanston
CHRISTOPHER, DAVID A. ..... Millersburg, Ohio
CHURCH, RALPH EDWIN, A.B. University of Michigan ..... Catlin
CLEARY, JAMES MANSFIELD, A.B. University of Illinois ..... Chicago
COBB, CHARLES LAWRENCE, A.B. Lake Forest University ..... Lake Forest
COKELL, ARTHUR HAROLD ..... Chicago
CONNOR, MAURICE JAMES, A.B. Harvard University ..... Manchester, N. H.
CRULL, NORRIS ELLIOTT, Indiana University ..... Elkhart, Ind.
DAVIDSON, JOHN LEFLER ..... Springfield, Neb.
DIXON, WILLARD JEROME, Northwestern University ..... Kankakee
EPSTEIN, BENJAMIN ..... Chicago
FALES, JAMES TURNER, A.B. Haverford College ..... Lake Forest
FLOBERG, FREDERICK OSCAR ..... Chicago
FOREMAN, HERBERT SPENCER, B.S. University of Chicago ..... Whitehall
FOSTER, LUCIUS NEWTON ..... Marshfield, Wis.
GILBERT, SAMUEL HARVEY, Northwestern University ..... Potomac
GROSS, HARVEY, B.S. Valparaiso University ..... Maywood
GUST, JOHN LEWIS, Ph.B. Dakota Wesleyan University ..... Mitchell, So. Dak.
HANSON, HARRY CLYDE ..... Geneva
HAWLEY, MELVIN MOSES, B.S. Northwestern University ..... Kingsville, Ohio

HAWXHURST, RALPH REYNAUD, Northwestern University.....Evanston
HOTCHKISS, MILES ELIAS, JR., University of Chicago.....Chicago
HUTTNER, ROBERT LEON, Northwestern University.....Chicago
ISAACS, ALFRED ABRAHAM, Cornell College .....Gillespie
JAHNKE, JOHN HENRY, B.S. Northwestern University.....Eyota, Minn.
JAMES, LEON CHARLES.....Evanston
JONES, LAKE, State Normal School of Alabama.....Evanston
KADOW, ZEFIRYN .....Chicago
LEONARD, MORRIS G. .....Chicago
LEWIS, HENRY DELANEY .....Brooklyn
LIESSMANN, ELMER MARTIN .....Chicago
LLABRES, LOUIS, Northwestern University.....Arroyo, Porto Rico
MCDONNELL, SIMON, JR., Northwestern University.....Hancock, Mich.
MCFADON, ROBERT DEAN, Williams College.....Chicago
MACPHERSON, DONALD FRASER, A.B. Princeton University.....Chicago
MARTIN, ROBERT CLOUGHAN, Armour Institute of Technology.....Chicago
MARX, JACOB HART, University of Chicago.....Chicago
MITCHELL, JAMES HARRY, Marietta College.....Chicago
MYERS, ABRAM LINCOLN .....Chicago
NEELEY, ROBERT DONALD, University of Nebraska.....Omaha, Neb.
PETERSON, JOSEPH LOUIS .....Chicago
PHILP, LEONARD HACKER.....Polo
PRENDERGAST, JOHN, Harvard University.....Wheaton
PRENDERGAST, RICHARD, A.B. Yale University.....Wheaton
RILEY, JOHN WILLIAM, B.S. Valparaiso University.....Chicago
ROBERTS, RALPH ROSCOE, Northwestern University.....Evanston
ROOT, RALPH WALDO, Northwestern University.....Galva
SCHMIDT, THEODORE, Indiana University.....Indianapolis, Ind.
SCHOOLER, NATHANIEL, Lewis Institute .....Chicago
SCHROETER, ERNEST ULRICH .....Chicago
SHAFFER, JAMES ALEXANDER, Lombard University .....Williamsfield
SKINNER, JOSEF TAYLOR, University of Chicago.....Princeton
SMITH, EMORY JAMES, Lewis Institute.....Chicago
STEERE, KENNETH DAVID, A.B. Iowa State University.....Iowa Falls, Ia.
STEWART, BENJAMIN ALTER .....Maywood
THON, WILLIAM G. .....Chicago
ULLMANN, FREDERIC, JR., A.B. Princeton University.....Chicago
UNDERWOOD, WALTER SCOTT, A.B. University of Wisconsin.....Oak Park
VASEN, MAURICE ESCHER, A.B. University of Illinois.....Quincy
WAGNER, ROLLAND MORRIS .....Liberty
WALDO, OTIS HARVEY, JR., A.B. Yale University.....Chicago
WESCOTT, JAMES BARNEY, Northwestern University.....Lacon
WHITEHEAD, JOHN TAYLOR, University of Michigan.....Chicago
WILLIAMS, WALTER JOHN, A.B. Lincoln Institute.....Chicago
WILSON, OSCAR SYLVANUS.....Chicago
WILSON, LEON THEODORE, Northwestern University.....Peru, Ind.
WITTMEYER, GUSTAVE, JR., Northwestern University.....Chicago
ZIMMERER, EDWIN CHESTER ARTHUR, A.B. University of Nebraska....
.....Nebraska City, Neb.

Second Year

ACKERMAN, BENJAMIN P.....Chicago
ADAMS, THOMAS EDWARD, Northwestern University.....Marshalltown, Ia.
ALLABEN, MAX FENIMORE, A.B. Amherst College.....Polo
ALLEN, CHARLES THOMAS .....Cary
AMBERG, EDMUND MARSHALL.....Chicago
ANDERSON, LEONARD EARL .....Anamosa, Ia.
BAKER, HART EDWARD, Ph.B. University of Chicago.....Chicago

BAMBERGER, EUGENE JULIUS ..... Chicago
BECK, ALPHONS A. ..... Chicago
BEERS, ROSCOE WENDELL ..... St. Joseph, Mich.
BERG, WILLIAM GORDON, Northwestern University ..... Chicago
BIRD, JOSEPH VINCENT, University of Washington ..... Snohomish, Wash.
BLOCK, SAMUEL FREDERIC, A.B. University of Michigan ..... Plattsville, Wis.
BRIGGS, WARREN EDWARD ..... Chicago
CAULFIELD, JAY, St. Ignatius College ..... Chicago
CAVANAGH, RICHARD PARKINSON ..... Kenosha, Wis.
CORBITT, KENNETH FLINT ..... Chicago
DAVIES, FREDERICK LEWIS ..... Chicago
DEMPSEY, CHARLES ANDREW ..... West Chicago
DILL, ERRITT BEVERIDGE, Tri-State Normal College ..... Logansport, Ind.
ENGEL, ALBERT JOSEPH ..... Chicago
FELDMAN, WILLIAM ..... Chicago
HALL, WILFORD RAYMOND ..... McLeansboro
HEINEMAN, EDWARD THEODORE ..... Chicago
HUSBAND, ADOLPH OSBORNE ..... Neoga
JENKINS, CLAUDE CARL, Lewis Institute ..... Chicago
JOHNSON, HARRY MCCLURE, A.B. Princeton University ..... Peoria
KAY, WILFRED STEARNS, Northwestern University ..... Watseka
KININGHAM, ROBERT BAIRD, Northwestern University ..... Danville
KRAUSE, HERBERT CHARLES ..... Milwaukee, Wis.
KUHN, JACOB PAUL, Wheaton College ..... West Chicago
LALLY, JOHN HUGH, Boston University ..... Gloucester, Mass.
LANDEE, FRANK JULIAN, A.B. Augustana College ..... Moline
LEVIN, SAMUEL, University of Illinois ..... Danville
LOCKART, MONT GRIFFITH, B.S. Valparaiso University ..... Vandalia
LOUCKS, VERNON REECE, A.B. Northwestern University ..... Chicago
LUTKIN, HARRIS CARMAN, A.B. Northwestern University ..... Evanston
MCKENNA, JOHN FALLS ..... Platteville, Wis.
MARTIN, CHARLES CHESTER, Chicago University ..... Oak Park
MARX, AUGUST, JR., Lewis Institute ..... Chicago
MIDDLETON, SAMUEL DALE, Lewis Institute ..... Oak Park
MORHEISER, WILLIAM MATTHEW ..... Chicago
MURRAY, SIDNEY CHARLES, Ph.B. Yale University ..... Davenport, Ia.
MYERS, JOHN WARD ..... Chicago
OGDEN, DAYTON ..... Tiskilwa
PALMER, ERNEST, A.M. Lake Forest University ..... Lake Forest
PATTERSON, PERRY SMITH, University of Chicago ..... Chicago
PAYNE, BEN, University of Illinois ..... Rock Island
PHILLIPS, STANLEY ALBIN ..... Chicago
PHILLIPS, GEORGE ELMENDORF ..... Highland Park
REIN, THEODORE EDWARDS, University of Chicago ..... Chicago
RILEY, THOMAS HENRY ..... East Chicago, Ind.
ROBINSON, EARL JAY, University of Wisconsin ..... Fort Dodge, Ia.
SATTERLEE, ROSCOE EARL, Ph.B. Dakota Wesleyan University .....
..... Mitchell, So. Dak.
SCHMIDT, FREDERICK CONRAD GOTTLIEB ..... Aurora
SIMON, BEN ..... Chicago
SIX, ROLLO, Northwestern University ..... Perry
SPAULDING, EDWARD LESLIE ..... McGregor, Ia.
STANLEY, EDGAR VERNE ..... Prescott, Ia.
STERN, OSCAR DAVID, University of Chicago ..... Chicago
STRETTON, FRANK PETER ..... Chicago
TREADWELL, CHARLES ALONZO ..... Elgin
TUTHILL, RICHARD STANLEY, JR., A.B. Williams College ..... Chicago
VAN DELLEN, ELZO LUBBERT, A.M. University of Denver ..... Chicago

VARGA, HUGO E., University of Budapest, Hungary.....Chicago
WAKEFIELD, NATHAN RUTHVAN, A.B. University of Illinois.....Chicago
WARD, ALFRED JAMES .....Chicago
WENDLAND, CHARLES JOHN, Northwestern University.....Chicago
WHEELER, ROBERT CAMPBELL, A.B. Yale University.....Chicago
WHITSON, THOMAS MERRICK, A.B. Northwestern University.....Chicago
WILKINSON, EARL BROWN, Lewis Institute.....Chicago
WOLF, WALTER BERTRAM, A.B. Yale University.....Chicago
WYNNE, LLOYD .....Chicago
YANTIS, AUBREY LEON, University of Colorado.....Shelbyville
YOTT, FRANK D. .....Chicago
ZEISS, CARL HENRY, B.L. Princeton University.....Chicago

First Year

BAKER, JAMES C., Northwestern University.....Garrett, Ind.
BATES, ALBEN FREDERICK, Lake Forest University.....Elmhurst
BRICKWOOD, BLAINE JACKSON, Associate in Arts, Lewis Institute....Chicago
BURNS, BARTHOLOMEW JOSEPH, De La Salle Institute.....Chicago
CHAYES, HAROLD IRVING.....Chicago
CLARKE, MICHAEL JAMES.....Clinton, Ia.
CODY, HIRAM SEDGWICK, A.B. University of Michigan.....Chicago
COOPER, FRED ALLEN, A.B. Dartmouth College.....Chicago
CUMMINGS, WILLIAM L.....Clinton, Ia.
DANIELS, EARLE MARTIN.....Batavia
DARLING, CHARLES WILLIAM.....Grand Rapids, Mich.
DONNELLY, JOHN CARROLL.....Chicago
EVANS, DONALD WINSLOW, Northwestern University.....Chicago
FISH, CAMERON, West Point Military Academy.....Chicago
FISHER, EDWARD ALBERT.....Chicago
FRANK, SYDNEY JOSEPH, A.B. Yale University.....Chicago
GLOS, ALBERT HENRY, Lewis Institute.....Elmhurst
HANSEN, JAMES BERGER, Lewis Institute.....Chicago
HELANDER, WILLIAM EUGENE.....Chicago
HERMAN, MAXWELL .....Chicago
HILSABECK, HUGH RUDOLPH.....Windsor
HOFFMAN, HAROLD .....Chicago
HOFFMAN, HAROLD YATES, B.S. Hobart College; Sage Graduate School of Philosophy Cornell University.....Chicago
HOY, ALFRED C.....Naperville
HULL, ISAAC HARVEY, Northwestern University.....Saunemin
IEHL, EDWIN ALBERT, University of Illinois.....Melvin
JACOBS, LEWIS BALTHASER, Lake Forest University.....Canton
KRAUS, SAMUEL .....Chicago
LOVE, STEPHEN .....Chicago
LOY, CHARLES EDWARD.....Snohomish, Wash.
MCAULEY, ARTHUR JOSEPH.....Chicago
MCKINSTRY, IRWIN ROY.....Beaver Dam, Wis.
MCWILLIAMS, CHARLES MILTON.....Chicago
MALLEK, LEO S.....Chicago
MARSHALL, IVEY, Occidental College.....Phoenix, Ariz.
MEYER, RUDOLPH, M.D., Bennett Medical College.....Chicago
MILLER, FRANKLIN ALBERT.....Chicago
MILROY, ROBERT ARTHUR.....Batavia
MIRUS, JAMES OSCAR.....Chicago
MUEHLENBRINK, OTTO WILLIAM.....College Point, N. Y.
NAVIGATO, FRANK PAUL ANTHONY.....Chicago
O'BRIEN, WILLIAM JOHN.....Chicago

O'Donohue, Sylvester Elaysius, A.B. St. Mary's College (Kansas)... ....Chicago
Parish, Cheaney Land....Harrisburg
Peifer, Edwin Tice, University of Michigan....Chicago
Pio, J. Percival, Lewis Institute....Chicago
Planer, Max ....Chicago
Poor, Henry Ives....Chicago
Ramacciotti, Frank Anthony....Chicago
Reinke, Julius ....Marinette, Wis.
Roberts, Edward Brown, Northwestern University....Coshocton, Ohio
Selz, Henry George....Chicago
Schaeffer, Maurice ....Chicago
Schupp, Robert William....Chicago
Schwarer, Frank Benjamin Enswiler....Chicago
Scully, Alexander Clifford, Ph.B. Yale University....Highland Park
Shafer, Chester Arthur, Northwestern University....Diagonal, Ia.
Shannon, Frederick Edward, A.B. Lake Forest University.... ....New Philadelphia
Smith, George Dresser, Ph.B. Yale University....Chicago
Smith, Lawrence Mills....Pana
Springer, Paul ....Chicago
Stenge, Bernhard ....Chicago
Storm, Clifford B....Lockport
Stuart, Allison Ellsworth, A.B. Princeton University....Lafayette, Ind.
Stubbs, Vonald Patterson, B.S. Nevada State University....Chicago
Tascher, John Ralph, A.B. University of New Mexico....Chicago
Veeder, Paul Lansing, A.B. Yale University....Chicago
Waldron, Carl Augustus, Illinois State Normal....Chicago
Walker, Joel Phillips....Horn Lake, Miss.
Watson, Charles Hamilton, Northwestern University....Monon, Ind.
Watson, Lewis Martin, Northwestern University....Monon, Ind.
Wermuth, William Charles, Jr., Northwestern University....Chicago
Whipple, Merrick Ames....Chicago
Williams, Henry Dwight, Nebraska University....Raymond, Nebr.
Wilson, George Lambert, B.A.S. Harvard University....Chicago
Wolf, Alexander ....Chicago
Wood, George Ernest, A.B. Amherst College....Ellington, Conn.

Special

Bray, Artise Arnold....Chicago
Collier, George Carl, A.B. University of Cincinnati....Cincinnati,, Ohio
Cooper, Frank Leslie, Northwestern University....Washington
Finder, Harry James, Lewis Institute....Chicago
Larned, Edwin Channing, A.B. Harvard University....Lake Forest
Long, William Henry, B.S. Northwestern University....Chicago
Parkinson, Stirling Bruce, University of Chicago....Chicago
Prohaska, Otokar L., B.S. Northwestern University....Chicago
Rabinoff, Samuel Randolph....Chicago
Ryberg, Charles Elliott, A.B. Carleton College....Nome, Alaska
Shelburne, Archie Priest, University of Missouri....Chicago
Sinnett, Thomas P., University of Illinois....Crescent City
Taylor, Paul Moore, Northwestern University....Huntington, Ind.
Van Schaick, Guy, B.L. University of California....Chicago
Verde, Vincenzo ....Chicago
Weichbrodt, Rudolph Charles, Lewis Institute....Chicago

COLLEGE OF ENGINEERING

Bowlus, Claude Arch.....Greenville, Mich.
Bradley, Alvin Percy.....Evanston
Charles, Sherman Alexander.....Evanston
Christopher, Frederick .....Evantson
Clapp, Charles Russell.....Evanston
Culbertson, John Smith .....Ft. Benton, Mont.
Curme, George Oliver.....Evanston
Culley, Frank Hamilton.....Marshalltown, Ia.
Dadley, James Walter.....Evanston
Dahm, Thomas Matthew.....McGregor, Ia.
Fisk, Bradford T.....
Gibson, Earl Stewart.....Evanston
Gouwens, Cornelius .....So. Holland
Haist, Theodore Edward.....Manton, Mich.
Hamilton, Rubey James.....Atlanta, Mo.
Harraden, Charles Gordon.....Berwyn
Jacobson, Roy Charles.....Geneseo
Kean, Gilbert Paul.....Evanston
Koerner, Frank Benjamin.....St. Joseph, Mo.
Lamke, Earl John .....Evanston
Lawson, John Walton.....Evanston
Little, Aaron Jacob.....Milwaukee, Wis.
Mahon, Robert James .....Mt. Carmel
Miller, Reginald Parsons.....Evanston
Munn, Royal Benjamin.....Chicago
Murphy, Arthur Gilman.....Michigan City, Ind.
Perry, Earl .....Chicago
Potter, Harry Rice.....Leaf River
Rascher, Charles .....Chicago
Shinabarger, Glenn Crump.....Hopkins, Mo.
Smith, Hassel Wendel .....St. Louis
Smith, Keith Kuenzie.....Garret, Ind.
Soltau, David Livingstone.....Evanston
Squire, Henry Herbert.....Sandusky, Ohio
Stiles, Harold .....Evanston
Stoekle, Erwin Rudolph.....Aurora
Wells, Alfred Burman.....Maryville, Mo.
Winslow, Harold Bragdon.....Buenos Ayres, Argentina
Zimmerman, Edward Walter.....Spring Valley, Minn.

SCHOOL OF PHARMACY

Candidates for Degree

Second Year

ADAMS, ALVA LEE ..... Illinois
ARNOLD, ARTHUR STANLEY ..... Illinois
BAKENS, KENNETH WALTER ..... Wisconsin
BANTUG, JOSE POLICARPIO ..... Philippine Islands
BELESS, JAMES WARREN ..... Utah
BROWDER, JAY ORISON ..... Illinois
COBURN, ERNEST HARLAN ..... Ohio
COTTON, CHARLES ARTHUR ..... Iowa
DEWEY, GLEN GRIFFIN ..... Iowa
DODD, JOHN M. ..... Illinois
FINLAY, MATTHEW MARION ..... Illinois
FRERICKS, ANDREW GERARD ..... Illinois
GAETH, CHAUNCEY WILLIAM ..... Nebraska
GALLARDO, MARCELINO MENDOZA ..... Philippine Islands
GALLIGAN, JAMES PATRICK ..... Illinois
GREEN, WALTER EDGAR ..... Utah
HARRISON, ALBERT MARTIN ..... Illinois
HUFF, ARTHUR W. ..... Indiana
HYRUP, JAMES LESTER ..... Illinois
JAMESON, PHILIP EMILE ..... Illinois
JENNINGS, JOHN WESLEY ..... Illinois
KING, FRANK RAY ..... Michigan
KING, LOYD AUGUST ..... Ohio
KOLB, MAX WILLIAM ..... Wisconsin
LOEFFELBEIN, CHARLES AUGUSTUS ..... Wisconsin
MADDEN, ST. CLAIR ..... Illinois
MCELRATH, WALTER I. ..... Illinois
MCLUEN, MAURICE CARSON ..... Iowa
NORDVOLD, SVERRE P. ..... Minnesota
OSWALD, LOUIS WILLIAM ..... Illinois
PANZER, GEORGE OTTO ..... Nebraska
RIZOS, ALEXANDER CONSTANTINE ..... Greece
ROGERS, FOSTER ROB ..... Wyoming
SAMSON, BERNARDO ..... Philippine Islands
SCHOLES, JOHN HUNTER ..... Illinois
SEATON, CHARLES EDWARD ..... Colorado
SCHWERDT, LOUIS ..... Illinois
SHIRLEY, CECIL GEORGE ..... Indiana
SHULTS, ALBERT LESTER ..... Illinois
SLAMA, JOHN THOMAS ..... Illinois
STUBBS, ROBERT J. ..... Illinois
SWEETLAND, MELVIN DALE ..... Illinois
TARBELL, NEIL WILLIAMSON ..... South Dakota
WARREN, ROY ..... New York
WATSON, DANIEL CLARK ..... Utah

Wire, Leslie Harwood ..... Illinois
Wold, Guy Kenneth ..... Minnesota
Zobel, Roy Ernest ..... Colorado

First Year

Abbott, Elmer Reed ..... Illinois
Allen, Hiron Willard ..... Illinois
Ammermann, Walter Emil ..... Michigan
Ball, Massey Cornelius ..... Texas
Barnette, Earl ..... Nebraska
Bellamy, Harley Leroy ..... Nebraska
Bergman, Clarence Walter ..... Illinois
Butler, George Dwight ..... Nebraska
Camodeca, Antonio Victor ..... Illinois
Camodeca, Silvio Umberto ..... Illinois
Carpenter, Henry A. ..... Illinois
Carrick, Walter ..... Iowa
Cunningham, James Francis ..... Arkansas
Currey, Hiram Wilbern ..... Indiana
Custer, Charles ..... Illinois
Devlin, Edward ..... Illinois
Dowiatt, Stanislaw ..... Illinois
Duffy, Mark Matthew ..... Wisconsin
Ekstam, Carl Fred ..... Iowa
Ellingson, William ..... South Dakota
Esackson, Charles Harvey ..... Illinois
Ferguson, Mrs. Luella ..... Illinois
Fitzgerald, Clement John ..... Iowa
Folkrod, Cyril Clinton ..... Illinois
Foresman, Mott ..... Iowa
Fruehling, Charles Frederick ..... Iowa
Harden, D. Gratton ..... Nebraska
Harmon, F. W. ..... Illinois
Hawley, Verne David ..... Illinois
Holabird, Harlow Clay, Jr. ..... Illinois
Honeyman, James Shephard ..... Iowa
Hughes, Earl Carlton ..... Nebraska
Isham, Herbert Austin ..... South Dakota
Isted, Harry Frank ..... Illinois
Jacobson, Raphael ..... Illinois
Kadlec, Edwin L. ..... Illinois
Kaplan, Ernest Stanley ..... Minnesota
Kaplan, Jay ..... Illinois
Katzenberg, Charles ..... Illinois
Kaufman, Edward Samuel ..... Illinois
Kingsley, Wilbur Lloyd ..... Pennsylvania
Knochel, Joseph Martin ..... Illinois
Krafft, Walter Anthony ..... Illinois
Kreiling, Edward Herman George ..... Illinois
Lapjansky, Michael Anthony ..... Indiana
Lappley, Harry Martin ..... Wisconsin
Largent, Will White, Jr. ..... Illinois
Lauer, Matthias Tillman ..... Illinois
Lee, Chris Wilbur ..... Minnesota
Lehmann, Emil Ernest ..... Illinois
Leonhardt, Charles Edward ..... Illinois
Levitt, John Joseph ..... Illinois
Lindemann, Armin Stoy ..... Indiana

Logan, A. W.	Illinois
McAfee, John Allen	Colorado
McKamy, Frank Edwin	Illinois
McKelvey, Charles David	Illinois
Miller, Edward	Illinois
Morrison, Earl Orin	Illinois
Morrow, Leonard Holland	Montana
Mueller, William John	North Dakota
Ohlsen, Olof Howard	Illinois
O'Rourke, James Patrick	Illinois
Orr, Robert James	Illinois
Owells, Albert J.	Illinois
Peoples, Edward Lewis	South Dakota
Peterson, Gustaf Joseph	Oklahoma
Porter, Carson Hosmer	Illinois
Pulley, Walter Leon	Illinois
Quilling, Fred Albert	Wisconsin
Rabb, Ardwood John	Iowa
Roth, Martin Arthur	Ohio
Savage, Percy Whitford	Montana
Schoen, William Arthur	Minnesota
Schopp, Thomas Henry	Illinois
Shaver, Charles Darwin	Illinois
Sims, John Ray	Illinois
Sprague, Arthur Angel	Michigan
Steimle, Frank Walter	Illinois
Stiles, Thaddeus Cornelius	Illinois
Sullivan, Daniel J.	Illinois
Tabenski, Longin Louis	Illinois
Taheny, Edward Patrick	Illinois
Tuohy, Traisius Joseph	Illinois
Wagener, Herman Eugene	South Dakota
Walter, Harry George	Kansas
Warner, Benjamin Greeley	Texas
Wilkinson, James H.	Alabama
Wilson, Fred Douglass	Mississippi
Worthington, Clyde Leonard	Illinois
Zimmer, Arthur Philip	Illinois

Special Students

Allegretti, John	Illinois
Blake, John Joseph	Illinois
Boe, Harry C.	Illinois
Carr, William Larabee	Illinois
Crain, Charles Raymond	Illinois
Ernst, Joseph Daniel	Illinois
Frohlich, Victor	Iowa
Geyer, Fred Jay	New Mexico
Graf, Joseph Peter	Iowa
Haldorson, Haldor	North Dakota
Harris, Herbert Wilson	Illinois
Heinen, John Michael	Illinois
Heiss, Samuel	Illinois
Holmes, Charles Bernard	Illinois
Jones, Roger J.	Illinois
Kahanovski, Isadore M.	Illinois
Keeley, Frank Martin	Illinois

KEIM, CHARLES ADAM ..... Illinois
LINCOLN, HAROLD JAMES ..... Illinois
LOVETT, RAYMOND ..... Illinois
MACKER, PAUL WILLIAM ..... Nebraska
MARTIN, GLEN THOMAS ..... Illinois
MURAWSKI, ALEXANDER FRANK ..... Illinois
NORRIS, CARTER COX ..... Illinois
OLSON, BERNARD SAMUEL ..... Illinois
PICKARD, JOSEPH DWIGHT ..... Illinois
RUECKERT, FRED OSWOLD ..... Illinois
SMITH, MARK V. ..... Illinois
SNYDER, CHARLES FREDERICK ..... Illinois
TOBIAS, OLIVER JACKSON ..... Illinois
WAGNER, WALTER S. ..... Illinois
WYSZYNSKI, WALTER ..... Illinois
YOUNGREN, EMIL WILMER ..... Illinois

DENTAL SCHOOL

Third Year

Bergquist, Albert Edward.....Iowa
Bergum, Oscar Theodore.....Wisconsin
Bernhard, Axel.....Illinois
Bernstein, Joseph.....Illinois
Bertram, Carl Louis.....Ohio
Blair, George Montgomery.....Illinois
Blaylock, George Francis.....Kansas
Botkin, Edwin Hoffman.....New York
Brown, Carver Rollins.....New Mexico
Bullard, Thomas Perry.....North Carolina
Burke, Wesley P.....New York
Cates, Laurence A.....Iowa
Clevidence, Earle Armour.....Nebraska
Dahle, Christian John.....Wisconsin
Dallow, Albert Victor.....Australia
Dawson, William Thomas.....Illinois
De Krauze, Louis Henry.....Illinois
Desmond, Frank George.....Wisconsin
Dietrich, Earnest Oscar.....Iowa
Dietz, Oscar.....Wisconsin
Dillon, John Francis.....Illinois
Donaldson, John Kirkwood.....Iowa
Donovan, Michael David.....South Dakota
Eggers, Herbert Lewis.....South Dakota
Ekstrom, Ernest Sune.....Illinois
Fietsch, John Fred.....Illinois
Fridd, Paul D.....North Dakota
Fry, William Thomas.....Illinois
Gault, John S.....Iowa
Guggenheim, Emanuel.....Illinois
Hollister, Claude Reavis.....Illinois
Hudson, Roland Harry.....Wisconsin
Huttman, Ernest Carl Theodore.....New Jersey
Innis, Lawrence Lafayette.....Louisiana
Jensen, Gareld Bosworth.....Wisconsin
Jessen, John Marrius.....Illinois
Johnson, Sherman Peter.....Oregon
Johnson, Willard B.....North Carolina
Jones, Roy C.....Illinois
Kerr, Morris Mayer.....Illinois
King, Mary Elizabeth.....Illinois
Knox, Sidney Barclay.....Illinois
Kral, Theodore Steave.....Iowa
Laing, Archie Clayton.....Canada
Lee. Stanley Douglas Christy.....Australia
Leisman, Harry Robert.....Minnesota
Lewsen, Marie Dora.....Massachusetts

LINDBERG, ELMER VICTOR ..... Illinois
LONG, JOHN EUGENE ..... Iowa
LOOMIS, ARTHUR GARFIELD ..... Illinois
LUCIA, JAMES EDWARD ..... Wisconsin
MCBEAN, CHARLES DUNCAN ..... Washington
MCDONALD, ELLERY ASHLEY ..... Michigan
MCGOVERN, EDWARD ..... Wisconsin
MCKENNA, CHARLES W. ..... Nebraska
MARQUESS, AUGUSTUS ARVIS, A.B. ..... Arkansas
MESSICK, ALBERT ROY ..... Indiana
MILLER, JACOB ..... Illinois
MITCHELL, ARTHUR REGINALD ..... Washington
MITCHELL, NORMAN LAMBERT ..... Barbados
MOORE, WALTER ARTHUR ..... Washington
NICKERSON, CARL VICTOR ..... Illinois
NOYES, LUCIAN LEO ..... Utah
O'HARA, THOMAS GUY ..... North Dakota
OHTNESS, SIGURD HAROLD ..... South Dakota
OLSON, CHARLES MORTON ..... Australia
PENNEY, RALPH EUGENE ..... Washington
PHILLIPS, LEON GEORGE ..... Illinois
PIHLFELDT, EDWARD ROLLO ..... Illinois
RAKOW, WILLIAM JOHN ..... Illinois
REED, ROBERT WILLIAM ..... Nebraska
REID, WILLIAM EDWARD ..... Michigan
RICHARDS, EVAN GREENE ..... Utah
ROSS, JAMES HENRY ..... Illinois
SANDSTROM, OSCAR ..... Wisconsin
SCHWARTZ, MILTON DALE ..... Illinois
SHARP, CYRIL ..... New Zealand
SNOW, WILLIAM EDWARD ..... Illinois
SNOWDEN, LEONARD CLAY ..... Texas
SOUTH, WILLIAM HENRY ..... South Dakota
STIEHL, WILLIAM JOHN ..... Iowa
STIRLING, G. GUY ..... Illinois
STOUT, ROSCOE LEATON ..... Illinois
SULLIVAN, RALPH SYLVESTER ..... Illinois
TOAY, CORLISS SAMUEL ..... Wisconsin
VAUGHAN, WILLIAM HENRY ..... Minnesota
VOSPER, LOUIS LLEWELLYN ..... Canada
WALDER, HANS ..... South Dakota
WALSTON, LE ROY ..... Illinois
WEINSTEIN, JACOB ..... Illinois
WELTER, CHARLES HENRY ..... Indiana
WHITE, NORMAN WALTER ..... Australia
WHITE, PAUL GEORGE ..... Illinois
WILDER, JOEL OSGOOD, JR. ..... California
WINZELER, LOUIS CLARENCE ..... Ohio

Second Year

ANGLEMIRE, RAYMOND LEE ..... Illinois
AUGUST, DAVID HJALMAR ..... Wisconsin
BAKER, ARTHUR EDWIN ..... Iowa
BAUGHMAN, IRA ..... Illinois
BECKER, RALPH WILLIAM ..... Illinois
BEERMAN, ERNEST AUGUST ..... Iowa
BERNDT, GEORGE WALTER ..... Oregon
BLACKWELL, J. D. ..... Illinois
BOYD, JOHN T. ..... Illinois

Brown, Benjamin Lyman ..... Illinois
Burkett, Clifford Wahl ..... Indiana
Buss, Reuben Julian ..... Wisconsin
Busta, Edward Harry ..... Iowa
Carson, Knute Paul ..... Illinois
Cartwright, Charles Hull ..... Iowa
Crawford, Edgar Harper ..... British Columbia
Crew, Thomas James ..... Wisconsin
Dahlby, Oscar ..... Minnesota
Dandelles, Epaminondas ..... Turkey
Denton, William Lemmon ..... South Dakota
Dolby, George Hugo ..... Illinois
Dugger, Marion Harvey ..... Illinois
Farwell, Harry Russell ..... Illinois
Fielding, Aldrich ..... Australia
Firkins, Ashley Martin ..... Illinois
Foley, Thomas Joseph ..... Illinois
Gates, Marshall Edison ..... Illinois
Gerhold, Elsa Juliane ..... Austria
Goeres, Theodore Otto ..... Wisconsin
Graf, Clarence Zina ..... Illinois
Halderman, Roy S. ..... Kansas
Hanson, Lloyd Martin ..... South Dakota
Heine, Raymond Otto ..... Iowa
Holmes, Henry Claude ..... Kansas
Host, Walter Robert ..... Wisconsin
Hudson, Frank Burton ..... Wisconsin
Kenney, William Thomas ..... Texas
Kimbell, Will Eugene ..... Iowa
Leonard, Frank Anderson ..... Iowa
Madill, Christopher John ..... Canada
Manosevitch, George Herman ..... Illinois
McBride, Lyman Augustus ..... Oregon
McLean, Charles Allan ..... Illinois
Metzner, Horace Edmund ..... Wisconsin
Nankervis Henry ..... Michigan
Nichol, Clifton Thomas ..... Illinois
Over, Charles Brown ..... Montana
Payne, Eugene Irwin ..... Illinois
Pooley, Harry ..... Illinois
Robinson, Roy Harvey ..... Iowa
Rowley, Thomas Joseph ..... New Zealand
Salmons, Clyde Raymond ..... West Virginia
Sandoz, George Ellis ..... Louisiana
Shipstead, Samuel Christian ..... Minnesota
Smith, Carlton R. ..... India
Soeder, Francis Adolph ..... New York
Spencer, Lyle Sargent ..... South Dakota
Stephens, Jerry H. ..... Montana
Sternberg, Louis Victor ..... Minnesota
Summers, Robert Lee ..... Missouri
Symonds, John Thomas ..... Oregon
Taecker, Henry Robert ..... South Dakota
Thorley, Robert Aldridge ..... Utah
Thornton, Irl Jay ..... Kansas
Todd, Roland Hill ..... Illinois
Valenzuela, Carlos ..... Costa Rica
Wilhite, Fielding M. ..... Missouri
Wilson, Elizabeth Ray ..... Illinois

Wilson, Walter Le Roy ..... Wisconsin
Woods, Frank Ray ..... Illinois
Wright, John Edgar ..... Missouri

First Year

Adelson, Abraham ..... Illinois
Allen, George B. ..... Illinois
Bartley, Mortimer Milton ..... Wisconsin
Beatty, George Mudie ..... Australia
Benn, Raymond Marcus ..... Iowa
Beyler, Walter Melvin ..... Indiana
Bidwell, Harry Hull ..... Michigan
Bigler, John August ..... Illinois
Brown, Geoffrey Patteson ..... Australia
Bushee, Ralph Waldo ..... Illinois
Case, Claude Edmund ..... South Dakota
Chulock, Joseph William ..... Illinois
Clark, James Paul ..... Washington
Cox, Wilford Charles ..... Utah
Cusack, Cecil George Henry ..... Australia
Dauwalter, Juniata ..... Nebraska
DuBois, Fred Horton ..... Illinois
Dubois, Lefevre ..... Indiana
Flannery, Edward Eugene ..... Illinois
Fox, John Henry ..... Indiana
Garber, David Raymond ..... Indiana
Gayle, William Ross ..... Texas
Gerner, Otto Gerhard ..... Illinois
Gibbons, Lee George ..... Illinois
Godson, Richard ..... Australia
Goldthorpe, Charles Clyde ..... Illinois
Grossberg, Arthur ..... Illinois
Harmon, Herbert Newel ..... Wisconsin
Harris, Floyd Albert ..... Illinois
Hendrickson, Gerald ..... Wisconsin
Henn, Elmer J. ..... Illinois
Henning, George ..... Illinois
Hewitt, William James ..... North Dakota
Holland, Carl Martin ..... Iowa
Howe, Walter Guy ..... Illinois
Huntington, Roger Ebinger ..... Illinois
Johnson, Martin Loryn ..... Illinois
Juul, Rudolph Alexander ..... Minnesota
Kundert, Leo Harris ..... Illinois
Laird, Harry Brumfield ..... Missouri
Latham, Garnett ..... Wisconsin
Lawler, Francis Joseph ..... Ontario
Leach, Floyd De Witte ..... Wsconsin
Lizar, Frank Aaron ..... Wisconsin
Lund, Herman John ..... Illinois
Macpherson, Murdoch Dickinson ..... Canada
Mahany, Max M. ..... South Dakota
McCready, Charles Roy ..... California
McCrillis, William Wallace ..... Wyoming
McDaniel, Walter Oliver ..... Illinois
McIntyre, Leslie Herbert ..... Canada
Mitchell, John Henry ..... Mississippi
Monahan, Matthew Joseph ..... Ireland

Morlan, James Leonard ..... Illinois
Nahas, Albert John ..... Egypt
Nishimura, Aiko ..... Japan
Ochs, Samuel ..... New York
Offill, William Arthur ..... Illinois
Olshan, Hirsh Gammil ..... Illinois
Papantonopulos, Nicholas George ..... Greece
Pearson, Townsend Adelbert ..... Iowa
Pruyn, Walter Mann ..... Illinois
Putnam, Claude Ashbil ..... Illinois
Rice, Warren Earl ..... Wisconsin
Robinson, Peter Edward ..... North Carolina
Rowan, William Anthony ..... Illinois
Schumacher, Frank Paul ..... Illinois
Shaffer, Lee Harrison ..... Illinois
Sharp, Don J. ..... Michigan
Skillen, William Graham ..... Illinois
Smith, George Clifford ..... Wisconsin
Sprecher, Adolph Gustave ..... South Dakota
Stair, Karl Elbert ..... South Dakota
Syverud, Herman ..... South Dakota
Thomson, James Urquhart ..... Illinois
Tufveson, Nels ..... Sweden
Ulrick, Elwin Harry ..... South Dakota
Webster, Chester Bowen ..... South Dakota
Welcher, David Morris ..... Illinois
West, Floyd Eddy ..... Wisconsin

SCHOOL OF MUSIC

Students in Regular Courses

ABBOTT, MARY VIRGINIA.....Los Angeles, Cal.
ADLER, IRENE .....Moorhead, Minn.
ALTON, EDNA BELLE.....Waucoma, Ia.
ANDREWS, MAUDE VIRGINIA.....Geneseo
ANKENY, KATHERINE DORCAS.....Milledgeville
APEL, PAUL HERMANN.....Chicago
ARKWRIGHT, HAZEL ELSIE.....Helena, Mont.
ASTENIUS, ANTHONY OLIVER THEOPHILUS.....Chicago
AUSTIN, ELECTA LOUISE.....Chicago
BAILEY, EVA BESSIE.....Topeka, Kan.
BAIRD, HELEN MARTHA.....Evanston
BARNARD, MABEL .....Evanston
BARRY, CURTIS ABELL .....Chicago
BARRY, FRANK EDWARD.....Chicago
BEEBE, ANNA LAVINIA.....Evanston
BEECHER, CARL MILTON.....Abingdon
BERRY, LORETTA .....Evanston
BIRGE, RUTH .....Grand Rapids, Mich.
BLAIR, MARY CONSTANCE.....Winslow
BLODGETT, VESTA ELECTA.....Chicago
BRADY, MABELLE ANNA.....St. Paul, Minn.
BRAGG, HELEN MAY.....Evanston
BRENNEMANN, HEDWIG .....Peru
BRODFUEHRER, OSCAR MATHIAS.....Ravenswood, Chicago
BROWN, HELEN CORA.....Sioux Falls, So. Dak.
BROWN, JESSIE EVENA.....Wichita, Kan.
BRUSH, LELA MABEL.....Norfolk, Neb.
BRYANT, AVIS .....Hebron, Ind.
BUTZ, THEODORE CHARLES .....Winnetka
CAMPBELL, HAZEL HATHAWAY.....Bessemer, Mich.
CANTRALL, GERTRUDE ELIZABETH.....Milledgeville
CARROLL, IRENE NEVADA.....Hampton, Ia.
CARTER, GERTRUDE .....Evanston
CLAPP, ZOE MINETTE.....Albion, Ind.
CLARKE, MABEL MAY.....Iola, Kan.
COBLE, SADIE LUCILE.....Delphi, Ind.
COLLINS, FLORENCE KATHERINE.....Kingfisher, Okla.
COMBS, JAMES ARTHUR.....Macon
CORWIN, MARY LUCILE.....Jamestown, No. Dak.
COX, EDITH .....Ft. Dodge, Ia.
CROMLEY, ESTA ANETTA.....Culver, Ind.
CURRIER, NELLIE PEARSON.....Evanston
DAVIS, LOLA ELLA.....Evanston
DE LONG, RUTH VIDA.....Chicago
DELZELL, MABEL CORAL.....Evanston
DE SHAZO, SUSIE LAVERNE.....Memphis, Tenn.
DOBSON, JESSIE VERA.....Mitchell, So. Dak.

Drew, Bessie Ellen.....Chicago
Dudley, Marjorie Eastwood.....Evanston
Dunsworth, Clara Josephine.....Macomb
Eberhardt, Vera Lleila.....Salina, Kan.
Eddington, Grace Blanche.....Quincy
Eddy, Mildred Celeste.....Zion City
Ellis, Mary Lucy.....Flora
Enna, Alex Peter Valdemar.....Duluth, Minn.
Feidler, Florence Marie.....Superior, Wis.
Fellows, James Daniel.....Fairfax, Mo.
Ferguson, Edna Mae.....Muskogee, Okla.
Fisher, Grace Ethel.....Chillicothe
Flack, Marjorie May.....Chicago
Fleming, Lillian Janet.....Manchester, Ia.
Foote, Sheldon Burnham.....Parkersburg, Ia.
Ford, Alice May.....Lake Geneva, Wis.
Fowler, Helen Geneva.....Deadwood, So. Dak.
Freeman, Marian Elizabeth.....Lead, So. Dak.
Frey, Vera Ethelyn.....Freeport
Frisby, Lane.....Bethany, Mo.
Frost, Ethel Grey.....Evanston
Frost, Florence Virtine.....Evanston
Gardner, Elizabeth.....Evanston
Getzendanner, Anna.....Polo
Goble, Adele.....Earlville
Goddard, Odile Marie.....Evanston
Gostelow, Anna Belle.....Prophetstown
Gould, Elsie Jane.....Zion City
Gruber, Merrill Otis.....Montgomery
Hall, Charles Ernest.....Dayton, Va.
Hall, Lysle.....Gallien, Mich.
Halpin, Lois Mae.....Chicago
Hancock, Lillian Mae.....Clinton, Ia.
Hanmer, Agnes Jane.....Evanston
Hanna, Forest Walker.....Maryville, Mo.
Hanna, Janet.....Evanston
Harl, Ruth.....Council Bluffs, Ia.
Hart, Lucy Alice.....Ashton
Himelberger, Irma Margaret.....Lansing, Mich.
Holcomb, Jessie.....Parsons, Kan.
Honey, Ada May.....Park River, No. Dak.
Hopp, Florence Marie.....Chicago
Hughes, Marie Henrietta.....Chicago
Hyde, Herbert Elijah.....Chicago
Johnson, Ada Herberta.....Sheridan
Johnston, Bessie Powell.....Bucyrus, Ohio
Kemman, Ida Sophia.....La Grange
Kerr, Clifford Harrison.....Canonsburg, Pa.
King, Clyde David.....Cary Station
King, May Elizabeth.....Quincy
Knapp, Hila Verbeck.....Chicago
Laing, Jessie Anna.....Gladstone, Mich.
Lee, Mary Louise.....St. Charles
Leigh, Maurice Chaffee.....Evanston
Livingston, Clara Pearl.....Moline
Long, Fanny Rebecca.....Grinnell, Ia.
Lowe, Charlotte.....Chicago
Macdonald, Mary Edna.....Evanston
Machen, Fanny Rebekah.....Savanna

MAGERKURTH, HELEN CONRADINE WILHELMINE.....Wichita, Kan.
MAHER, STELLA COLLINS.....Park Ridge
MAXHEIMER, WILLIAM ALBERT.....Mt. Pulaski
MCGREGOR, MINTO ISABEL.....Manton, Mich.
MEEKER, MARION CATHERINE.....Muncie, Ind.
MELVIN, DAISY.....Mound City, Mo.
MERCER, IDA IMOGENE.....La Moille
MERRILIES, SARAH LOUISE.....Winnetka
MERRILL, ADALINE ELIZABETH.....Evanston
MILLER, ALICE FERNE.....Park Ridge
MILLER, ALTA DOROTHY.....Evanston
MITCHELL, GRACE RAND.....Mt. Carmel
MULFINGER, MARY ELEANORE.....Chicago
MULHOLAND, ELIZABETH ARTLISSA.....Chicago
MURDOCK, LEITA.....Streator
NEELY, CLARA GRACE.....Evanston
NEWELL, FLORENCE ELEANOR.....Monticello
NYQUIST, REUBEN EMIL.....Moline
NUSBAUM, CARRIE MAE.....Middleburg, Ind.
OAKES, MINAROSE.....Evanston
OGILVY, JESSIE FRANCES.....Seattle, Wash.
PATCH, MARIE.....Hartley, Ia.
PAULSON, LILLIAN FRANCES.....Des Moines, Ia.
PEARCE, LIDA ALMA.....Oswego
PERRY, FLORENCE MILDRED.....Mt. Sterling
PETERSON, THOMAS MARCUS.....Willow Springs, Mo.
PHILLIPS, ANNA VIOLA.....Rhodes, Ia.
PRATT, MARY PORTER.....Evanston
PRICE, MARGARET WILMOT.....Chicago
PRIOR, LYMAN PIERCE.....Highland Park
PRITCHARD, EDITH MILDRED.....Geneseo
PRITCHARD, FANNIE ISABELLE.....Geneseo
REDDING, NELLE.....Webb City, Ind.
REED, LIETA ELIZABETH.....Chicago
REESE, ERNEST AUGUST.....Hubbard, Ia.
RICE, MARY ALICE.....Chicago
RIPLEY, DOROTHY IONE.....Burlington, Ia.
ROBERTS, EVA S.....Evanston
ROBERTSON, ALMA NITA.....Virginia
SARGENT, IRENE MARIE.....Evanston
SAUCERMAN, RUTH IRENE.....Rod Grove
SEAMAN, MAURICE LEWIS.....Battle Creek, Mich.
SHORT, VERA HENSCIL.....La Grange, Ind.
SKINNER, ELLA LORRAINE.....Dubuque, Ia.
SLACK, ARTHUR RAY.....Canton
SMITH, ANGELINE ELISE.....Marlette, Mich.
SMITH, GERTRUDE MAHALA.....Sheldon
SMITH, HELEN ESTHER.....Adrian, Mo.
SMITH, HERBERT URBAN.....Keithsburg
SOLTAU, DAVID LIVINGSTON.....Evanston
SOLTAU, THEODORE STANLEY.....Evanston
SOVERHILL, MARY LAILA.....Janesville, Wis.
SMITH, MAY ISABEL.....Kewanee
STEELE, FANNY COREY.....Cherokee, Ia.
STERLING, MARY LENORE.....Columbus Grove, O.
STONE, JANET LYON.....Hartford, Conn.
STROMBECK, JOHN FRED.....Moline
STULTS, WALTER ALLEN.....Evanston
SWEET, GENEVIEVE ELLEN.....Evanston

THOMPSON, NATHALIE LOUISE.....Chicago
TRACY, FRED EARL.....Evanston
TRUCKENBROD, ELSA FRIEDA.....Monroe, Wis.
TURNER, VINNETA MABEL.....Pekin
WALLIS, HELEN AUGUSTA.....Maryville, Mo.
WARD, ESTHER.....Evanston
WARTINBEE, LOIS HANNAH.....La Crosse, Wis.
WATSON, ALICE JESSA.....Winnipeg, Canada
WAYMAN, MARION FRANKS.....Chicago
WEIS, EZRA HERMAN FRANKLIN.....Reddick
WELD, MOSELLE EDNA.....Moorhead, Minn.
WELLS, ALFRED BURMAN.....Maryville, Mo.
WILCOX, MURIEL ESTELLE.....Hammond, Ind.
WILLIAMS, EULA FRANCES.....Princeton
WILLSON, MADGE ALTRURA.....Edgerton, Wis.
WISELY, MAUDE ESTELLE.....Kincaid, Kan.
WITTEN, DAISY.....Wittens, O.
WOODWARD, JAMES WROTEN.....Rock Falls
WRIGHT, BESSIE MARJORA.....Bellevue, O.
WRIGHT, ETHEL MAY.....Wilmot, Wis.
WYLIE, GERTRUDE LOUISE.....Saginaw, Mich.

Special Students

ADAIR, ALICE GERTRUDE.....Evanston
ALMAN, JOHN ERNEST.....Salina, Kan.
ANDREW, MARY WILLOCK.....Glencoe
ARMITAGE, CLYDE FOSTER.....Elizabeth
ASHBY, ELSIE.....Ladogam, Ind.
BAILEY, RUTH P.....New Richmond, Ind.
BARNES, ALICE MAY.....Evanston
BATES, ROSE CLEVELAND.....Evanston
BECK, ANNA BELL.....Evanston
BENDER, FLORENCE EMMA.....Rochester, Minn.
BOETTCHER, EDNA ROSALIE.....Evanston
BOTT, ALICE KING.....Evanston
BOWEN, CLARA FLORENCE.....Phillipsburg, Mont.
BOYD, WILLIAM ROLAND.....Evanston
BRAGDON, MERRITT.....Evanston
BRANDRIFF, LOLA C.....Glencoe
BRUNING, IRMA.....Havana
BURG, JOHN CHARLES.....Evanston
CABLE, FAYE.....Evanston
CALDWELL, NELLIE MAE.....Stewartville, Minn.
COLLINS, JESSIE EDITH.....Morris
COWLES, EUNICE.....Hinsdale
CUMMINS, MAE BEATRICE.....Chicago
CURTISS, STANLEY ARTHUR.....Dow City, Ia.
DAMMARELL, MILTON EDWARD.....Chicago
DAVIDSON, ELIZABETH.....Evanston
DAWSON, EDWARD SCOTT.....Evanston
DELPHINA, SISTER.....Wilmette
DEWEY, PERDITA IRENE.....Kenosha, Wis.
DRACHMAN, MYRTLE AUGUSTINE.....Tucson, Ariz.
DUFFORD, RUTH EDNA.....Evanston
DURNAL, ALMA FRANCES.....Carmen, Okla.
EARNGEY, WILLARD PHELPS.....Rockford
EDDY, MILTON WALKER.....Media, O.
ERICSSON, RALPH BERNARD.....Red Oak, Ia.

Eversz, Winifred ..... Evanston
Fabian, Mary Huntington ..... Evanston
Felkner, Marjorie ..... Milford, Ind.
Forney, Helen Darlene ..... Minonk
Fullerton, Almeda ..... Ottawa
Gerhardt, Emilie Louise ..... Niles Center
Gerould, Frank ..... Evanston
Gethmann, Julia Kathrine ..... Reinbeck, Ia.
Gilson, James Harold ..... Newton, Ia.
Graves, Pansy Maude ..... Chicago
Greenawalt, Helen Ankeny ..... Milledgeville
Grove, Isabella ..... Hillyard, Wash.
Haines, Sarah Elizabeth ..... Chicago
Hardy, Editha ..... Evanston
Hartshorn, Grace ..... Clarion, Ia.
Hatch, Lida Inge ..... Chicago
Hedge, Harry Malcom ..... Chicago
Henke, Selma H. ..... Evanston
Hesler, Dorothy ..... Evanston
Hobart, Elizabeth ..... Evanston
Homer, Helen ..... Evanston
Homewood, Ethel ..... Sherman, N. Y.
Hoople, Nell ..... Calgary, Canada
Howes, Mamie ..... Laurence, Mich.
Hull, Ray Le Roy ..... Hanna, S. D.
Johns, Charles Lee ..... Mackay, Idaho
Johnson, Heber Dayton ..... Mapleton, Utah
Johnson, Margaret Miller ..... Winnetka
Jones, Florence Kathryn ..... Evanston
Jordan, Viola ..... Chicago
Kahlo, Ethel Corinne ..... Evanston
Kahlo, Lucille Agnes ..... Evanston
King, Fenner Emory ..... Ames, Ia.
Kleiner, Helen Marie ..... Eau Claire, Wis.
Laughlin, Lola Claire ..... St. Charles
Lawson, Gordon McIntosh ..... Chicago
Loring, Elsie Brown ..... Chicago
Lowry, Charles Davis ..... Chicago
McCare, Ruth ..... Crawfordsville, Ind.
McCulloch, Hugh Waugh ..... Evanston
McElveen, Mrs. Eva Lillian ..... Evanston
McKee, Faye ..... Evanston
MacKenzie, George David ..... Charlotte, N. Y.
Marsh, Jesse Irving ..... Buckley
Meyer, Mary Bailey ..... Evanston
Moon, J. Herbert ..... Highland Park
Moore, Sarah ..... Evanston
Morgan, Ruth ..... Evanston
Nichols, Josephine ..... Cincinnati, O.
Nye, Edith Amelia ..... Evanston
Patten, Helen Prindle ..... Evanston
Pennington, Hortense Evelyn ..... Mediapolis, Ia.
Potter, Harry Rice ..... Leaf River
Prouty, Ida Evangeline ..... Des Moines, Ia.
Rapp, Ruby ..... Evanston
Ray, Ora Louise ..... Belvidere
Raymond, Margaret ..... Evanston
Redelings, Leslie Hall ..... Marinette, Wis.

Reid, Mary Mitchell.....Evanston
Richards, Blanche Alma .....Huron, S. Dak.
Richardson, Alice May .....Evanston
Rinaldo, Jeanette .....Geneseo
Rockefeller, Amos Louis .....Hamilton
Royer, Caroline .....Garnett, Kan.
Simonds, Marshall Garfield.....Chicago
Slack, Grace Tucker .....Canton
Smith, Lewis Addington .....Ottumwa, Ia.
Smith, Mary Melrose .....Evanston
Stanbery, Edward, Jr. .....Evanston
Stinson, Jeanette Margaret .....Chicago
Stratton, Lillian Blanche .....Chicago
Stults, Frances Willard .....Evanston
Stuntz, Willard Glenn .....Empire, Canal Zone, Panama
Thorne, Delia Rosella .....Waterville, Kan.
Trelease, Ella .....Evanston
Troxell, Edward Leffingwell .....Payson, Utah
True, Katherine Knight .....Chicago
Virden, Ruth .....Evanston
Ward, Water Tallmadge .....Onarga
Warmingham, Osbert Clarence .....Madras, India
Wells, Cherrill Isabella .....Chicago
Wells, Marguerite .....Evanston
Williams, Delia Alice .....Augusta, Wis.
Wood, Mrs. Edith England .....Evanston
Works, Frances Sudlow .....Evanston
Wynkopp, Vera.....Traverse City, Mich.
Zender, Amy Catherine .....Chicago
Zook, Josephine Foster .....Evanston

SCHOOL OF COMMERCE

ALLHANDS, BERNARD ..... Watseka
ALTER, LEO ..... Chicago
ANDERSON, ARTHUR MAURICE ..... Chicago
ANDERSON, DANIEL ..... Evanston
ANDERSON, WILLIAM W. ..... Chicago
ANGUS, HARRY HOLBORN ..... Riverside
APPLEYARD, GEORGE VINCENT ..... Glenview
ARMSTRONG, ARTHUR WILLIAM ..... Evanston
AVERY, W. LOUIS ..... Chicago
BACON, ALBERT TOLMAN ..... Morgan Park
BARBER, HENRI NEWTON ..... Chicago
BATES, LEWIS J. ..... Chicago
BATTY, FREDERICK ..... Chicago
BARLOW, BASIL DOLIVAR ..... Chicago
BARTHEL, GEORGE LUDWIG ..... Chicago
BAYSTON, ARTHUR H. ..... Chicago
BECK, ARTHUR L. ..... Chicago
BENSON, ROY ..... Chicago
BENSON, WILLIAM AUGUST ..... Highwood
BERNSTEIN, ISAAC MORRIS ..... Chicago
BETAK, THEODORE WILLIAM ..... Chicago
BLACK, JAY PORTER ..... Chicago
BLOCK, MICHAEL OSCAR ..... Chicago
BONNER, CLARENCE E. ..... Chicago
BOOMER, HENRY R. ..... Wilmette
BOWMAN, JOHN ALDEN ..... Chicago
BRACKEN, MARTIN LOUIS ..... Chicago
BRENNER, JOHN ..... Oak Park
BRENSTEIN, JOHN HENRY ..... Chicago
BROWN, HERBERT PAUL ..... Chicago
BURNHAM, JOHN ..... Evanston
BUSS, ELMER H. ..... Chicago
CARMAN, GEORGE WASHINGTON ..... Evanston
CARROLL, WILLIAM THOMAS ..... Chicago
CARSON, SAMUEL PIRIE ..... Evanston
CARSON, WILLIAM ANDREW ..... Berwyn
CLARK, JOHN ALEXANDER ..... Evanston
COHEN, HASKELL CHARLES ..... Chicago
COMSTOCK, GEORGE EARL ..... Chicago
COOK, JONATHAN B. ..... Wheaton
CRABB, JESIE NELSON ..... Chicago
CRAWFORD, DAVID ANDERSON ..... Chicago
CULLEN, WILLIAM HERBERT ..... Chicago
DAHL, CHARLES ..... Chicago
DALLMER, JOHN LEOPOLD ..... Chicago
DANZIGER, SAMUEL ..... Chicago
DAVIES, ELMOR G. ..... Chicago
DAVIS, CHARLES KIER ..... Chicago

DECKER, FRANCIS WILLIAM ..... Chicago
DEGOLYER, DONALD LEE ..... Evanston
DELL, HERBERT CARR ..... Chicago
DEYO, HERBERT ..... Chicago
DOBLE, HENRY LEOPOLD ..... Chicago
DOLE, WILLIAM JOSEPH ..... Chicago
DOMBRAW, RUDOLPH CHARLES ..... Chicago
DOW, ROBERT WIRCH ..... Chicago
DRAPER, WILLIAM ALVIN ..... Chicago
DUEA, SEVERT BENHARD ..... Story City, Ia.
DUNCAN, ARTHUR WILLIAM ..... Austin
EDEN, ALBERT VALERIUS ..... Chicago
ELIEL, EDWIN FALK ..... Chicago
EPPLE, WILLIAM ..... Chicago
ERICKSON, ADOLPH ..... Chicago
EYSENBACH, HENRY ARNOLD ..... Chicago
FERDINANDSEN, ALBERT ..... Chicago
FIEBERG, PAUL H. ..... Chicago
FLURY, WALTER FREDERICK ..... Maywood
FOGG, DOCKWOOD WARE ..... Chicago
FORBES, THOMAS DOUGLAS ..... Chicago
FORD, CHARLES ALLINDER ..... Chicago
FOERSTER, PAUL, JR. ..... Chicago
FORWARD, WILLIE ALVIN ..... Chicago
FOSTER, LUCIUS N. ..... Marshfield, Wis.
GAENSSLEN, CARL AUGUST ..... Chicago
GALT, THOMAS ARTHUR ..... Chicago
GARNETT, JOSEPH BLYTHE ..... La Crosse, Wis.
GEISS, WILLIAM HENRY ..... Chicago
GILBY, JOSEPH HENRY ..... Chicago
GIVEN, WILLIAM BARNS, JR. ..... Chicago
GOETTSCHE, HARTY CHARES ..... Chicago
GOETZ, ALBERT ..... Chicago
GOLDER, GEORGE A. ..... Chicago
GORDON, ARTHUR BURDETTE ..... Chicago
GREINER, LOUIS OSCAR ..... Chicago
GROEBE, LOUIS G. ..... Chicago
GROSSER, FRED AUGUST ..... Forest Park
HAAS, GEORGE H. J. ..... Chicago
HACKLEY, G. LEVANT ..... Oak Park
HAGLUND, ARTHUR LUTHER ..... Chicago
HALL, JOHN SHERMAN ..... Chicago
HAMILTON, RICHARD QUINTIN ..... Chicago
HANSEN, ARTHUR MARTIN ..... Chicago
HARGRAVE, ALBION FELLOWS ..... Western Springs
HARRINGTON, CHARLES NORMAN ..... Oak Park
HARSHA, EDWARD HOUSTON ..... Chicago
HAVENER, WILLIAM PAUL ..... Chicago
HEATH, CHARLES HENRY ..... Maywood
HEGBERG, REUBEN OSCAR ..... Chicago
HELLER, ALFRED ..... Chicago
HENRICKSEN, OLAF ..... Chicago
HENSCHEL, ERICK ..... Chicago
HIEMKE, HUGO VICTOR ..... Chicago
HILL, BRUCE LEROY ..... Chicago
HOLMGREN, HENRY R. ..... Chicago
HOROWITZ, ISIDORE CHARLES ..... Chicago
HORWICH, ARTHUR NATHANIEL ..... Chicago

JANKE, WILLIAM CHARLES ..... Chicago
JARCHOW, CHRISTIAN ..... Chicago
JENSEN, ZOPHER LACEY ..... Chicago
JOHNSON, G. STUART ..... Chicago
JOHNSON, PAUL CLARENCE ..... Evanston
JOHNSON, WALTER L. ..... Chicago
JONES, HERBERT ..... South Chicago
JONES, JAMES SAUNDERS ..... Chicago
JUDSON, FREDERICK CHARLES ..... Chicago
KELLY, JOSEPH SEBASTIAN ..... Chicago
KERN, HARRY RICHMOND ..... Chicago
KNUDSEN, ADOLPH CARL ..... Chicago
LANGER, CHARLES H. ..... Chicago
LAPHAM, RALPH LYON ..... Chicago
LECLEAR, WALTER MILTON ..... Chicago
LEE, CHRIS WILBER ..... Jackson, Minn.
LEHMANN, BOTHO ..... Chicago
LELAND, CLARENCE REDDIG ..... Chicago
LEVITT, JOHN JOSEPH ..... Cairo, Ill.
LINN, HOWARD ..... Chicago
LOHRENS, LOUIS F. ..... Chicago
LOTHROP, FREDERICK LORING ..... Chicago
LUTTERBACH, ALBERT ..... Chicago
LYON, BURKE ..... Marshalltown, Ia.
MCCAFFERTY, JOSEPH P. ..... Chicago
MCDONALD, ARTHUR J. ..... Evanston
MCGRAIN, PETER LEO ..... Chicago
MCILVAINE, WILLIAM DUFFIELD, JR. ..... Oak Park
MCKINLEY, JOHN ..... Chicago
MCNICHOLS, GEORGE FRANCIS ..... Chicago
MADDOCK, WILLIAM HERBERT ..... Chicago
MARKHAM, FRANK OTTEN ..... Chicago
MARSH, GEORGE S. ..... Chicago
MARSHALL, RAPHAEL P. ..... Chicago
MARTINS, MAGNUS J. ..... Chicago
MEAHL, LOUIS JOHN ..... Chicago
MENARD, GEORGE ROBERT ..... Chicago
MEQUIRE, HAROLD HYPES ..... Chicago
MEREDITH, NEWTON H. ..... Chicago
MEREDITH, ALBERT R. ..... Chicago
MEYER, CHARLES JOHN ..... Chicago
MITCHELL, KARL MAURICE ..... Chicago
MODICA, RALPH GEORGE ..... Chicago
MODICA, LEONARD BLAKE ..... Chicago
MOORE, LEVERING ..... Hinsdale
MOULTON, MELVIN WILBUR ..... Chicago
MURBACH, FREDERICK GEORGE ..... Chicago
MUELLER, FRANK THOMAS ..... Chicago
MUELLER, WALTER ANDREW ..... Chicago
NEDBAL, FRANK THOMAS ..... Chicago
NELSON, GILBERT ..... Evanston
NORTH, HUGH ..... Chicago
PARROTT, HARRY BENTON ..... Chicago
PARTRIDGE, LEE HOWITT ..... Chicago
PEABODY, ORREN SANFORD ..... Evanston
PEDERSEN, GEORGE NICHOLAS ..... Chicago
PLIMPTON, NATHAN COPE ..... Chicago
POE, FLOYD SIMPSON ..... Sault Ste. Marie, Mich.

PRATHER, THOMAS JETER ..... Chicago
PRICE, WALTER HOLTON ..... Chicago
PUGH, CHRISTOPHER TOMAS ..... Chicago
RANSOM, SCOTT ..... Chicago
RASTALL, ERNEST S. ..... Chicago
READING, WILBERT DOUGLAS ..... Chicago
REEVE, ROBERT INGERSOLL ..... Chicago
REYNOLDS, FRANK GEORGE ..... Chicago
RICKER, RUFUS ..... Chicago
ROBERTSON, WILLIAM D. ..... Chicago
ROCHE, NICHOLAS THOMAS ..... Chicago
ROGERS, LOUIS CRANDALL ..... Chicago
ROSENTHAL, HERMAN LOUIS ..... Chicago
ROSSETTER, GEORGE WASHINGTON ..... Chicago
SEMPLE, PARLIN, JR. ..... Chicago
SEYL, HUBERT HERMAN ..... Chicago
SCHOLZ, FERDINAND MATTHIAS ..... LaGrange
SCHKUROVICH, GEORGE JOSEPH ..... Chicago
SCHUNEMAN, JOHN JEROME ..... Chicago
SHAW, ARCH WILKINSON ..... Evanston
SHUTE, HERBERT W. ..... Chicago
SINGER, HARRY SAMUEL ..... Chicago
SMITH, CHARLES GORDON ..... Chicago
SNYDER, ROBERT ..... Chicago
SPAULDING, CLAUDE MILES ..... Evanston
STAEHLE, ROBERT ..... Chicago
STAFFORD, CLINTON ALBERT ..... Chicago
STARNES, WILLIAM D. ..... Evanston
STANLEY, CHARLES R. ..... Chicago
STEWART, MONTGOMERY ..... Evanston
STEFFELIN, EDWARD HENRY ..... Chicago
STEEN-PEDERSEN, JOHN O. ..... Oak Park
STROBEHN, FRED CHARLES ..... Chicago
SULLIVAN, ARTHUR NAHUM ..... Chicago
THOMPSON, LAWRENCE BROWN ..... Chicago
THRONE, DANIEL GREEN ..... Chicago
THROP, WILLIAM JOHN ..... Chicago
TOMPKINS, NORMAN CLYDE ..... Chicago
UPTON, LOUIS C. ..... Chicago
UTTEG, WILLIAM F. R. ..... Chicago
VALLETTE, ELBERT CARLYLE ..... Chicago
VONESH, JOHN WILLIAM ..... Chicago
WALSH, JAMES J. ..... Chicago
WALDBERG, BERNARD ..... Chicago
WALDBERG, RAPHAEL ..... Chicago
WATT, KENNETH MONROE ..... Chicago
WEISS, CHARLES HENRY ..... Chicago
WESTERDAHL, JALMAR PETER ..... Chicago
WHEELER, BURT THADDEUS ..... Chicago
WHEELER, FRANK AMOS ..... Chicago
WHIPPLE, ABNER DAVIS ..... Chicago
WHITE, A. J. ..... Chicago
WHITE, HARVEY, JR. ..... Chicago
WHITE, RICHARD JOSEPH ..... Chicago
WIEDEMAN, CHARLES FREDERICK ..... Chicago
WIERSEMA, NICHOLAS WILLIAMSON ..... Chicago
WILSON, LEON T. ..... Peru, Ind.

WILLIAMS, CHARLES EUGENE ..... Chicago
WILLIAMS, DAVID IRWIN ..... Evanston
WINKELMAN, JOHN EDWARD ..... Chicago
WINSLOW, CLARENCE MORTON ..... Chicago
WITT, CHARLES ..... Chicago
WOOD, EDWIN WILLIAM ..... Clyde
WOODBURY, WILLIAM ALBERT ..... Chicago
WOODBURN, WILLIAM BROWNE ..... Chicago
YEAGER, EVERETT EMLIN ..... Maywood
YOUNGREN, GUSTAVE HENNING ..... Oak Park

GARRETT BIBLICAL INSTITUTE

Graduate Students

GLASSBURN, HUGH DAMSON ..... Oak Park
HOLLAND, ROBERT THOMAS, A.B. Western Kentucky Normal, S.T.B., Grant University ..... Scottsville, Kentucky
PARKS, JAMES WILLIAM ..... Osborn, Missouri

Candidates for a Degree

Third Year

BALL, JOHN RICE ..... Tacoma, Wash.
BERSAGEL, ANDREAS ..... Chicago
COLE, EZRA ORLANDO ..... Osborn, Mo.
CULVER, HARRY CLAYTON, A.B., Cornell College ..... Ryan, Ia.
GEYER, FRANCIS LENDER, A.B., Baker University ..... Meridan, Kans.
GRIMES, MAGGIE ..... Decatur, Ohio
HENKE, ARTHUR WILLIAM, A.B., Charles City College ..... Charles City, Ia.
HOWARD, GEORGE PARKINSON ..... Montevideo, So. Amer.
LAWTON, BURKE REED, A.B., Lawrence University ..... Twin Bluffs, Wis.
PORTER, ROY VICTOR, A.B., Upper Iowa University ..... Hopkinton, Ia.
PRATHER, DANIEL BENJAMIN SCOTT, B.S., Simpson College ..... Corning, Ia.
SCHAFFER, PAUL ..... DeKalb
STOLZ, KARL, A.B., German Wallace College ..... Grand Rapids, Mich.
THRALL, HAROLD LEONIDAS, A.B., McKendree College ..... Flora
WALKER, JOEL COLSON, A.B., Moore's Hill College ..... Harrison, Ohio
WARNER, HARRY CHESTER, A.B., University of Denver ..... Sterling, Colo.
WILSON, WILLIAM JEROME, A.B., Oberlin College ..... Lorain, Ohio
WOOD, HARLEY JOHN, A.B., Allegheny College ..... Waterford, Pa.
WOOD, OTHO DON, A.B., Cornell College ..... Bedford, Ia.

Second Year

EVANS, JOHN DAVID, Ph.B., Dakota Wesleyan University ..... Gettysburg, So. Dak.
FLINT, HAROLD W., A.B., Simpson College ..... Council Bluffs, Ia.
GABLE, MEARL ARTHUR, A.B., Simpson College ..... Denison, Ia.
GETHMANN, CHARLES WESLEY, A.B., Charles City College ..... Gladbrook, Ia.
GETHMAN, WALTER WESLEY, A.B., Charles City College ..... Reinbeck, Ia.
JONES, HARRY EDGAR, Ph.B., Morningside College ..... Indianola, Ia.
KINGSLEY, IRA WILLARD ..... Cheyenne, Wyo.
LEHMAN, JOHN OTLEY, A.B., Findlay College ..... Decatur
LESLIE, WILLIAM ROBERT, A.B., Northwestern University ..... Tolono
LINGER, FREEMAN OSCAR, B.S., B.Pd., A.B., Valparaiso University ..... Flatwoods, W. Va.
MCLAUGHLIN, OSCAR B., A.B., Baldwin University ..... Londonville, Ohio
NAGLER, ARTHUR WILFORD, Ph.B., German Wallace College; A.M., Baldwin University ..... Charles City, Ia.
POLLOCK, SAMUEL EDGAR, A.B., Northwestern University ..... Orland
RODGERS, CHARLES WILLIS, B.S., Upper Iowa University ..... Strawberry Point, Ia.

SIMMONDS, JAMES POTTENGER, A.B., National Normal.....Miami, Ohio
SMITH, HORACE GREELEY, A.B., Northwestern University.....Ransom
SWANEY, BERTRAM G., A.B., Northwestern University.....Marengo, Ia.
WALL, ERASTUS LEWIS, A.B., Bates College; LL.B., University of Maine .....Rockport, Me.
WILSON, JOHN EDWARD, B.Pd., Kansas Wesleyan University..... McCracken, Kans.

First Year

ALBRIGHT, WILLIAM ARTHUR, A.B., Nebraska Wesleyan University.. .....Beatrice, Nebraska
ARMITAGE, CLYDE FOSTER .....Elizabeth
BROGAN, JAMES CALVIN, A.B., National University..Weatherford, Oklahoma
CARWARDINE, J. CHESTER .....LaSalle
COE, ALBERT E. .....Sterling
CRAM, BENJAMIN ARTHUR, A.B., Missouri Wesleyan University..... .....Kingston, Missouri
CROWTHER, JAMES EDWIN, A.B., Dakota Wesleyan University....Evanston
DAVIS, CHARLES J., A.B., Yale College.....Gloversville, New York
DELACY, JOHN H. .....Evanston
EDGINGTON, CLINTON A. R., A.B., Ohio Wesleyan.....Arlington Heights
FISHER, ROLLO JAYNE, A.B., Wabash College.....Esmond
FISK, BRADFORD TRUESDALE, B.S., Grand Island College..... .....Grand Island, Nebraska
HEINLEIN, ARTHUR ALLEN, A.B., Illinois Wesleyan University.....Decatur
HINKLE, JOHN MILTON, A.B., Indiana University.....Bloomington, Indiana
HINTS, WILLIAM .....Monroe, Wisconsin
HURST, CLIFTON N., A.B., Texas Holiness University.....Oswego, Kansas
JOHNSTON, RAYMOND H., A.B., Emery and Henry College..... .....Sweetwater, Tennessee
JORDAN, CLIFFORD CHARLES, Ph. B., Kansas Wesleyan University..... .....Waska, Kansas
KAHL, DELOSS .....Elburn
LAWSON, PETER JACOB, A.B., Nebraska Wesleyan.....Lyons, Nebraska
MENKER, RAYMOND CHESTER .....San Jose, California
MINKLER, ROY GLENN, A.B., Morningside College.....Ocheyedan, Iowa
ORTH, LAFAYETTE LORONZO, Ph.B., Northestern College.Ft. Recovery, Ohio
PLANNETTE, ROY WARREN .....Menominee, Michigan
PUTNAM, IRVING ELLSWORTH, A.B., Cornell College.....Bedford, Iowa
ROSS, DAVID HARRIS, B.S., Morrisville College.....Willard, Missouri
SMITH, BERT EDWARD, B.S., Ohio Northern University.....Suiter, Ohio
WESTWOOD, HORACE.....Stephenson, Michigan
WORTHLEY, EVANS ALVAH, A.B., Nebraska Wesleyan University..... .....Endicott, Nebraska

Candidates for a Diploma

Third Year

ANDREWS, NOVVEL VANE.....Lehigh, Okla.
BARTLETT, EDWARD CLAYTON..... .....Evanston
BISSINGER, JACOB .....Wapello, Ia.
BROWN, THOMAS SAINSBURY.....Eleva, Wis.
CHEW, NATHANIEL DURBIN..... .....Adrian, Mich.
DEWHIRST, GUY .....Noble
EDMONDSON, STUART BERTON.....Evanston
FISHER, EARL VERNON, A.B., Cornell College.....Columbus, Wis.
HAMRICK, LEWIS ALBERT.....Plattville
HURTTE, WILLIAM LE ROY.....Painesville, Ohio

James, William John.....Colby, Wis.
Johnson, John Andrew.....Racine, Wis.
McMahan, Percy Reid, B.S., Valparaiso University.....Indianapolis, Ind.
Maxwell, Albert Thomas.....Steubenville, Ohio
Pardun, William Byron.....Clarion, Ia.
Pascoe, William Howard.....Lemont
Rogers, Schuyler Colfax.....South Bend, Ind.
Swanson, Arthur Albin.....Jamestown, N. Y.
Vandervoort, Riley James.....Frankfort
Vaughan, George Warren.....Unity, Wis.
Wilkins, Charles Calvin.....Des Moines, Ia.
Wilson, Willis Ray.....Elwood
Woodrow, Isaac Atmore.....Chicago

Second Year

Baldwin, Leo Elmer.....Council Bluffs, Ia.
Barnstable, Reginald.....Isabel, Kans.
Bigler, William Fredrick.....Upland, Ind.
Bohnert, Leslie.....Hayesville, Ohio
Cates, Silas Louis.....Topeka, Ind.
Day, William Henry.....Evanston
DeYoe, Jay Willard.....Keota, Ia.
Edmondson, Charles Manson.....Evanston
Edwards, Phirman.....Chicago
Ellis, John Sherman.....Fairfield
Grove, Paul Luther.....Leipzig, So. Dak.
Hardy, Olive A.....Mankato, Minn.
Hollingsworth, Thomas Russell.....Grant City, Mo.
Hoon, Clarence Earl.....Kokomo, Ind.
Kephart, Harvey.....Mt. Ida, Wis.
King, Clyde David.....Independence, Mo.
Leitzell, Charles Edward.....Evanston
McDade, Edwin Charles, A.B., Cornell College.....Red Oak, Ia.
McLaughlin, Mary Luella.....Londonville, Ohio
Martin, Laurel Vollie.....Independence, Kans.
Millholland, Paul.....Chicago
Munch, Henry Curtis.....Lovington
Nixon, Frederick Butler.....Sac City, Ia.
Parker, Thomas Leroy.....Winfield, Kans.
Payton, Julius Byrd.....Seward, Kans.
Pearson, John Lawrence.....Colchester
Powell, William Frank, Ph.B., Denison University.....Granville, Ohio
Prall, James Henry.....Des Moines, Ia.
Rarick, Jennie.....Osceola, Ia.
Rarick, Monroe Jackson.....Osceola, Ia.
Ringler, William Henry.....South Bend, Ind.
Rogers, John Edward.....Scales Mound
Shroyer, James Leslie, B.S., Moore's Hill College.....Plainville, Ind.
Wallace, Samuel.....Spokane, Wash.
Wickard, Morten Dennis.....Maxwell, Ia.
Will, Benjamin.....Chicago
Woodmansee, Cicero McGown.....Evanston

First Year

Adair, Joseph Peregoy.....Beyesville, Ohio
Ahrn, John Soo.....Seoul, Korea
Blewfield, Floyd Leslie.....Rockford
Blough, Erwin James.....Forest Park
Braby, Norman Dan.....South Nutfield, Surrey, England

Book, George Harold ..... Cleveland, Ohio
Carey, Edward Roy ..... Darlington, Wisconsin
Cronk, Winifred C ..... Chicago
Duncan, Charles Morris, A.B., McKendree College ..... Evanston
Fanebust, Nels ..... Castlewood, South Dakota
Field, Willis ..... Mitchell, Indiana
Francis, George E. ..... Auburndale, Massachusetts
Hall, George Robert ..... East St. Louis
Hartshorn, Albert Walker ..... Weiser, Idaho
Homer, Harry A. P. ..... Everett, Massachusetts
Hoyer, Arthur J. ..... Evanston
Longbrake, Elijah H. ..... Evanston
McCoy, Raymond Charles ..... Evanston
McDonald, George Washington ..... Mediapolis, Iowa
McDonald, John Herbert ..... Mediapolis, Iowa
McKay, James Fenton ..... Castane, Iowa
Morgan, James Edward ..... Evanston
Nelson, Arnold ..... San Francisco, California
Parker, Harry Grant ..... Glenwood, Iowa
Perry, John William ..... Franksville, Wisconsin
Powell, Henry Francis ..... Forsyth
Rice, Grace Eichelberger, A.B., Coe College ..... Cedar Rapids, Iowa
Rich, Guy Cephas ..... Cedar Rapids, Iowa
Robinson, Homer Warren ..... Seneca, Kansas
Root, Herbert Jackson ..... New London, Connecticut
Sanders, George Franklin ..... McLouth, Kansas
Sandmeyer, Edwin Gustave ..... Quincy
Schafer, Arthur ..... South Bend, Indiana
Schuerman, William Jacob ..... Emporia, Kansas
Schoemaker, George Milton, A.B., Cornell College ..... Volga City, Iowa
Sprouse, Claud Willard ..... Compton, California
Stephenson, Robert ..... Owendale, Michigan
Stephenson, Emma ..... Owendale, Michigan
Stewart, John Forrest ..... Marietta, Ohio
Tremaine, Myron David ..... Evanston
Vermillion, William Thomas ..... Altamont
Wash, George A., A.B., Nebraska Wesleyan University ..... Milford, Nebraska
Wetzel, Reuben Meyer ..... Jamesport, Missouri
Wilkinson, James Ernest, Ph.B., Hamline University ..... Neepawa, Canada
Young, William Malcolm ..... Detroit, Michigan

Special Students

Arlander, Ragnar Andreas ..... Evanston
Bigler, Minnie A. ..... Upland, Indiana
Buffett, Clyde Esmon ..... Kewanee
Cates, Lulu ..... Topeka, Indiana
Crowther, Mary ..... Evanston
Duncan, Mrs. Charles Morris ..... Evanston
Edmonson, Mrs. Stuart Berton ..... Evanston
Ellis, Harriet Catherine ..... Fairfield
Hoon, Mrs. Earl ..... Clay City
Kingsley, Marie ..... Evanston
Limper, Henry William, A.B., German Wallace College ..... Kenosha, Wisconsin
Meyers, Orlando H. ..... Evanston
Sandmeyer, Hillis Parker ..... Quincy

SHROYER, ESTELLA MAE ..... Plainville, Indiana

Students of the College of Liberal Arts Taking Work in the Institute

MCCLURE, CHARLES SHERMAN ..... Wabash, Indiana
SPENCER, WILLIAM ANSEN ..... Roswell, New Mexico
TINK, ALBERT EDWARD ..... Brooklin, Canada
WOOD, KATHERINE MAE ..... Belle Plaine, Kansas

Norwegian-Danish Theological School Students in the Institute

BRINGDAHL, JOACHIM G. ..... Cove, Wash.
BRUDEVOLD, KNUT O. ..... Eau Claire, Wis.
FOLKESTAD, HALLVORD ..... Perth Amboy, N. J.
FOSDAL, SIGBJÖRN ..... Stoughton, Wis.
FOSS, TOBIAS ..... Brooklyn, N. Y.
GOLI, CHRISTIAN J. ..... Brooklyn, N. Y.
HAUGLAND, PETER O. ..... Virginia, Minn.
HENNINGSEN, HENING ..... Oakland, Cal.
HERMANSEN, ANDREW ..... Los Angeles, Cal.
HOFSTAD, OTTAR ..... Storden, Minn.
JÖRANSEN, CARL E. ..... Muskegon, Mich.
KVISGAARD, GUSTAV ..... Duluth, Minn.
NORDOS, WILLIAM R. ..... Kalispell, Mont.
SLAATTE, IVER T. ..... Thief River, Minn.
STONE, JENS S. ..... Stillwater, Minn.
THORNELL, JACOB ..... Westby, Wis.
VEREIDE, ABRAHAM ..... Kalispell, Mont.

NORWEGIAN-DANISH THEOLOGICAL SCHOOL

BAUMAN, WILLIAM ..... Daily, No. Dak.
BRINGEDAHL, JOACHIM G. ..... Cove, Wash.
BRUDEVOLD, KNUT O. ..... Eau Claire, Wis.
FOLKESTAD, HALVARD ..... Perth Amboy, N. J.
FOSS, TOBIAS ..... Brooklyn, N. Y.
FOSDAL, SIGBJORN ..... Stoughton, Wis.
GOLI, CHRISTIAN J. ..... Brooklyn, N. Y.
HAUGLAND, PETER O. ..... Virginia, Minn.
HELEKSON, DANIEL ..... San Francisco, Calif.
HENNINGSEN, HENNING G. ..... Oakland, Cal.
HERMANSEN, ANDREW ..... Los Angeles, Calif.
HOFSTAD, OTTAR ..... Storden, Minn.
HOWE, BESMIC ..... Martel, Wis.
JOHNSON, JOHN ..... Spokane, Wash.
JORANSEN, CARL E. ..... Muskegon, Mich.
KVISGAARD, GUSTAV ..... Duluth, Minn.
NORDOS, WILLIAM R. ..... Kalispell, Mont.
ODEGAARD, ANDREW ..... Portland, Ore.
POULSEN, JOHN M. ..... Portland, Ore.
SLAATTE, IVER T. ..... Thief River, Minn.
STONE, JENS S. ..... Stillwater, Minn.
THORNELL, JACOB ..... Westby, Wis.
VEREIDE, ABRAHAM ..... Kalispell, Mont.

SWEDISH THEOLOGICAL SEMINARY

Fourth Year

Challman, Oscar F.	Illinois
Englund, Joseph E.	New York
Larson, Einar	Illinois
Lund, Elmer F.	Illinois
Olson, John	Minnesota
Olson, Olof E.	New York
Pearson, Axel	Illinois
Strömbom, Oscar W.	Illinois
Wells, Carl	Illinois

Third Year

Anderson, J. Edward	Illinois
Carlson, Alfred W.	California
Nydeen, August	New York
Swanson, Paul	Nebraska
Sundberg, Oscar	Michigan
Walstrom, Gustav	Oregon
Westman, Gust O.	Minnesota

Second Year

Aldrin, Axel G.	Illinois
Christenson, Charles L.	Connecticut
Erickson, Carl J.	Illinois
Ericson, Rudolph	Illinois
Holmes, Carl A.	Illinois
Liljevall, Carl R.	New Jersey
Magnuson, Emil	Illinois

First Year

Carlson, Axel	Minnesota
Carlson, John	New York
Chellgren, Wilhelm	Wisconsin
Johnson, Oscar E.	Minnesota
Malmquist, Gustav E.	California
Olson, Gordon	Illinois
Petterson, Fredrik	Wisconsin

DEGREES CONFERRED

1907-1908

DEGREE EXTRAORDINARY

Daniel Bonbright .....Doctor of Laws
John Evans Professor of Latin Language and Literature, Dean Emeritus of the College of Liberal Arts.

HONORARY DEGREES

Loring Wilbur Messer .....Master of Arts
General Secretary, Chicago Central Young Men's Christian Association.

William Francis Rice .....Doctor of Divinity
Of the class of 1894.

George Record Peck .....Doctor of Laws
General Counsel of the Chicago, Milwaukee and Saint Paul Railroad.

Louis May Greeley.....Master of Laws
Professor in the Law of Conveyancing, Mortgages, Carriers, and Commercial Paper in the Law School.

Roscoe Pound.....Master of Law
Professor of Law in the Law School.

DEGREES IN COURSE

Nathaniel Alcock.....Master of Science
Thesis: A histological study of the nasal mucous membrane in mammals.

John Alford Ayling.....Master of Arts
Thesis: The bearing of psychology upon the "Evidences of Christian Experience."

Louis Baker .....Master of Arts
Thesis: Goethe's relation to pietism.

Ruth Mary Boring.....Master of Arts
Thesis: The British policy in the Northwest, 1783-1795.

Gottlob Charles Cast.....Master of Arts
Thesis: Eine Abhandlung über Jean Paul Friedrick Richter's einfluss auf Wilhelm Raabe.

Martin Rist Chase .....Master of Science
Thesis: The comparative structure of cranial ganglia.

Fred Homer Clutton.....Master of Arts
Thesis: The relation of the juvenile delinquent to the recreational facilities in the twenty-first and twenty-second wards of Chicago.

Floyd Erie Coultrap.....Master of Arts
Thesis: The animal experiment in the early diagnosis of tuberculosis.

Louis DeVries.....Master of Arts
Thesis: Storm's novellentechnik.

EMIL DOERNENBURG.....Master of Arts
Thesis: Der einfluss Dickens auf Raabe.

HUGH HENRY HARRIS.....Master of Arts
Thesis: The relation of the church to the adolescent child.

FREDERICK GOODRICH HENKE.....Master of Arts
Thesis: The gift of tongues and kindred phenomena at the present time.

CHARLES JOHN JOHNSON.....Master of Arts
Thesis: The influence of Babylonian culture upon the religion and civilization of the Hebrews.

ALICE KEITH.....Master of Arts
Thesis: Diplomatic relations between Great Britain and the United States during the Civil War, 1861-1865.

WILLIAM JOSEPH KING.....Master of Arts
Thesis: History of land title registration; its operation in Illinois.

FRANCIS WALDEMAR KRACHER.....Master of Arts
Thesis: Ein studium von Franz Grillparzer's leben und werken mit besonderer beruecksichtigung des spanischen einflusses.

JOHN GRANVILLE LAW.....Master of Arts
Thesis: A study of the origin of religion.

ALEXANDER PITCAIRN LINDSAY.....Master of Arts
Thesis: The right of non-resident aliens to maintain an action and recover damages for wrongful death.

JOSHUA BLAIRE MARTIN.....Master of Arts
Thesis: The history of the Alabama claims and their settlement.

SOPHIE MAY NELSON.....Master of Arts
Thesis: Metaphors and similes in Aeschylus.

CURTIS BISHOP NEWSOM.....Master of Arts
Thesis: The Messianic ideas and ideals of the Old Testament prophets.

JOSEPH DUGAN O'DONNELL.....Master of Arts
Thesis: The treaty making power of the United States and the right of the United States government by a treaty to regulate education and prevent segregation of aliens in a state.

WILLIAM LEONARD PUGH.....Master of Arts
Thesis: Studies in the vocabulary of the Middle English romance, Perceval of Galles.

WALTER SCOTT.....Master of Arts
Thesis: The right of a non-resident alien to claim the benefits of statutes allowing the recovery of damages from persons negligently causing death.

HATTIE MAE THICKSTUN.....Master of Arts
Thesis: A rhetorical study of the speeches in Livy.

GLENN PORTER WISHARD.....Master of Arts
Thesis: The moral and religious use of suggestion.

Bachelor of Arts

OLIVER RICHARD ASPEGREN
BERTHA DELL BEERS
LEWIS BARCLAY BELL
STELLA IMOGENE BIGELOW
IVA MAY BISHOP
GUY MINNICH BLAKE
EDNA WILHELMINE BOCK
EMORY STEPHEN BOGARDUS
SARA FRANCES BRAGDON
ELSIE MIRIAM BROWN
HORACE MANN BUCKLEY
FLORENCE ETHEL BUSSE
IRENE LOUISE BUTCHER
ALYS BIRDINE CAMPBELL
MARIE LOUISE CAMPBELL
GERTRUDE FRANCES CHAPIN
ALFRED NORMAL COCKERAM
EUNICE COWLES
GEORGE CHESTER CURTISS
THOMAS MATTHEW DAHM

Blanche Katharine DeBra
Charles Ross Dines
Jessie Gertrude Dudman
Ruth Helen Dysart
Julia Farwell Evans
LaJeune Churcher Forrey
Florence Myrtle Frost
Ruth Helen Gates
Albert Baker Green
Carl Frederick Greve
Charles Henry Haile
Anna Laird Harwood
Vera June Hayes
Estella Lilia Hem
Lili Hochbaum
Helen Lyddell Holton
Eleanor Hurford
Flora Alice Hyde
Verna Leone Isaacson
Albert Julius Jockisch
Charles Lee Johns
Heber Dayton Johnson
Arthur Thompson Jolley
Evelyn Jones
Clara Estelle Kirkpatrick
Albertine Marie Elizabeth Larson
Mabel Ruth LeBaron
James Defrees LeCron
Emanuel Aaron Lemoine
William Robert Leslie
Anna Sara Longacre
Vernon Reece Loucks
Harris Carman Lutkin
George Buchan Macdonald
Joshua Blaire Martin
Laura Frost McCarty
Ernest William McDonald
Josephine Mary Mueller
Eva Waters Nickerson
Thomas Arch O'Farrell
Amy Burnham Onken
Burnadette Rose Orem
Gladys Paddock
Nelson Alfred Pierce
Dorothea Johanna Sophie Pietsch
Daisy Purcell
Allen Ferguson Rader
Elizabeth Liddell Shotwell
Winifred Siberts
Jessie Anna Smith
Helen Louise Snyder
Floyd Meloy Stahl
Rhea Effie Stoll
Bess Olive Stonier
Winifred Luella Stout
Bertram Garfield Swaney
Edward Leffingwell Troxell
Jay Boyd Turner
Mary Maurine Turner
Vera Fae Walraven
Loring James Whiteside
Thomas Merrick Whitson
Samuel Enoch Zook

Bachelor of Science

Ernest Emil Anderson
Catherine Jane Austin
Vida Almeda Austin
Herbert Yeomans Bell
Ralph Thomas Bickell
Edwin Stuart Braden
Edith Grace Brown
John Roscoe Brown
Anna Zuppann Carpenter
Mabel Palmer Cowdin
Lyman Teele Crossman
Elma Pearle Culver
Gertrude Curme
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Alpheus Leland Fry
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Edmund Jacobson
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George Vest McCauley
Eunice May McIntosh
Kate Lora Metcalf
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James Whitney Northrop
Bertha Elizabeth Nysewander
Josephine Payer
Caro Beth Peck
Frank Ohr Potter
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Mabel Shannon
Wiley James Shannon
Richard O. Sigmond
Alvord Cooper Stanton
Virgil Ray Stephens
Arthur Joseph Strawson
Louis August Uhe
Lulu Agnes Wheeler
Mark Hotchkiss Wheeler

Doctor of Medicine

Albin Garfield Anderson, B.S.
Archibald Louis Arends
Lloyd Emerson Bailer, A.B.
John Damascus Bambenek
William Edward Bannen
George Holt Barksdale
Earl Lucas Baum
Raymond Emil Bechtel
Maurice A. Bernstein
Philip Herman Bernstorf, M.D.
Christian Martin Berntsen
Thomas Daniel Boler
George Benjamin Bormann, Ph.G.
John Thompson Bowers, Ph.G.
Stephen Campbell Bradley, B.L.
Frank Lloyd Bronson, A.B.
Roger William Brookie
Alford Edward Budde
Levi Alden Burhans
Andrew Jackson Butner
James Edward Campbell
Joseph Redmond Condon
Paul Burke Cooper, Ph.G.
Floyd Erie Coultrap, Ph.B.
Gordon Trevor Courtenay
Learner Edrington Creasy, B.S., Ph.G.
Peter I. Dahl
Charles Horace Dowsett
Joseph Spiro Eisenstaedt, B.S.
Thomas Patrick Foley
James Miner Gibbons
Paul White Gibson
Arthur Ernest Gillette
Edward Victor Goltz
Alvis Eugene Greer
George Daniel J. Griffin
Thomas Howard Grosvenor, B.L.
Charles Edward Hagar
Raleigh Peter Hale
Emory Sylvester Hall
Dorr Foster Hallenbeck
David Thomas Hanson, B.S.
William Thomas Harsha
Everet Clarence Hartman
Francis Marion Hartsook
Ralph Harold Hertzler
Wilfred John Hewson
Timothy Richardson Hinchion
Ernest Herman Hoffman
John Hughes Hogan
Henry Frost Hooker, Ph.G.
Edwin Marius Howg, B.S., Ph.G.
Frederick Auld Hudson
Frederic Charles Huff, B.S.
Howard Benjamin Huntley, B.S.
Paul Ingebretsen
Guy McKevitt Johnson
William Garfield Johnson
Albert Amos Jordan, A.B.
Elon Theodore Keeler, Ph.G.
Paul Edward Kelly
John Vincent Kerrigan
John Jeremiah Kerwin
Joseph Carl Kimball
Clarence William Knudson
Horace Kriechbaum
H. Meyer Lynch
Paul D. Lyons, A.B.
Gilbert Francis McCullough, B.S.
Charles Francis McNevin, A.M.
Griffith Holme Maghee, Ph.G.
Harry Bond Man de Ville Martin
Franklin Maurer
Lester Edwin Mee
Clifford David Mercer
William Frederick Meyer
Ira Milton Miller
James Frederick Mills
Frank Gillingham Morrill
David Roy Nelson
John Henry Noonan
Walter Franklin Nuzum
Norris Tillman Owen
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Chauncey Merrill Pierce
Clarence Leighton Poley
Francis Joseph Powers, M.S.
George Washington Prince
Claire Rasor, Ph.G.
Bjarne Ravn
James Henry Redd
John Edward Redman
Louis George Reynolds
Wilbur Wesley Ross, Ph.G.
Fred Short Ryan, B.S.
Charles Sigmond Salmon
Carl Ludvick Sandberg
John Ferdinand Schaefer
Alexander Schlapik, M.D.
William Fred Schmid, M.D.
Hugo Engelbert Schmidt
Robert B. J. Schoch
Milton H. Schutz, A.B.
Clem Clifford Seerley, B.S.
Frank Leon Shepard, A.B.
Frank Leroy Smith
Charles Henry Solomon
James Herbert Sowerby
George Herbert Stacy
Charles Lindley Steer
Burt Smith Stevens, Ph.G.

Bert Jerome Steves
B. Frank Sturdivant
Frederick Ellsworth Sutherland
Everett William Sykes
Daniel Edward Tewey, Ph.G.
Gilbert Joshua Thomas
C. Arnold Thompson, B.D.
Nathaniel Alexander Thompson
Roswell Elliott Tilson
Hugo William Traub
John Wakeman Turner, A.B.
William Butterfield Urmston, B.S., M.D.
Edgar Kirby Ward, M.D.
John Milton Ward
Wallace Archibald Watson
Fred Duvall Waugh
Fred Benjamin Welch
Thurston William Weum, B.S.
Perry Eugene White
George Berkman Wiles
George Arthur Wilson
John Adam Wolfer
Otto Willis Woodard
Irwin Edwin Mandeville Worthing
George Irving Wright, Ph.G.

Master of Laws

William Cullen Burns

Bachelor of Laws

C. Martin Alsager, A.B.
Arthur Alexander Anderson
William Reed Arthur, A.B.
Cecil Barnes, A.M.
Francis Leo Barry
Jeannette Bates, Ph.B.
Henry Albert Bieszki
Edward Franklin Brubaker
Walter Laughlin Bullock
Arthur Willard Carnduff, A.B.
Charles Edgar Carpenter
Bert Martin Cavanagh
Bernhard Samuel Cooper
Walter James Cox
William Dwight Dean, A.B.
Gustave Philip Didier
John Joseph Downey
Guy Gerard Ellis, A.B.
Harry Michael Farrell
Henry Fehrman
Harry Hardy Felgar
Alexander Freundlish
Robert Emmet Hogan
Lewis Friedman Jacobson
Edmund Kasper Jarecki
Clyde Philip Johnson, B.S.
George Thomas Judy
George Kandlik
Richard Freeman Karr
Bernard John Larkin
Harry Hirsch Levy
Alexander Pitcairn Lindsay, A.B.
Michael Ernest Libonati
Thomas Lindskog
James Nicholas Lorenz, A.B.
Sylvester Tucker Lowe
Francis Joseph McCracken
Horace Milton Manning
David Clifford Mewhirter
Eugene Percival Morris
Earl Burner Mount
Joseph Dugan O'Donnell, A.B.
George Arthur Oleson
Olaf Adolph Olson
Neal Daniel Reardon, A.B.
Franklin Nelson Reed, B.S.
Francis Stanley Rickcords, A.B.
Jose Abad Santos
John Harold Rogers
Glenn Potter Sayers
Robert Lyman Schadel, A.B.
Edward Thomas Schmaus
Walter Carl Schneider
Walter Scott, A.B.
Forest Dale Simmons
Dorrance Dibell Snapp
Walter J. Spengler
James Henry Stafford
George Steinbrecher
Orville James Taylor, Jr.
Joseph Thomas Tyrrell, A.B.
Orlin Ingersoll Wahl
George Max Weichelt
Werner Augustus Weiboldt
Mitchell Abraham Zelensky

Pharmaceutical Chemist

James Lewis Clay
Joseph Thomas Dvorak
Albert George Eichler
Oscar A. Grulke
Loren M. Haeseler
John Elwood Howell

Eugene O. Leonard
Herbert Samuel McDill
Ferdinand Wilhelm Nitardy
Herschel Edwards Potter
Forrest Raymond Robertson
Felix Cajulis y Samedra
Emmet B. Switzer
Louis Richard Wernecke

Graduate in Pharmacy

Roy M. Bergen
Friedrich Wilhelm Blomenkamp
Alden Scott Boyer
James Matthias Caris
Hugo William Druehl
Herman Herbert Doffey
Albert George Eichler
Peter J. Eulberg
John James Foley
Elmer Jonathan Freeman
Alfred Frederick Geahart
Oscar A. Grulke
Holly Parke Harris
Walter Sterling Horn
George Howard
True Howard
Louis Edward Johnson
Fred Clifford Jones
Eugene O. Leonard
August William Lindstadt
John Robert McKinney
William Warren McMaster
Roy W. Markham
Linnie Eloise Nixon
Ernest O'Neal
Gustave Charles Paesler
Robert Whitelife Pease
Otto Rudolph Peters
Charles Edgar Pettyjohn
Alfred Champlin Proudfoot
Fountain Washington Ragland
Henry Raithel
Adelbert Willis Russell
Robert Winfield Sterling
Milo Cornelius Taylor
Samuel Rogers Taylor
Raymond Milner Thompson
Alfred N. Thoesen
Robert Louis Trunk
Harold Harvey Wagner
Warren Nelson Walker
John Calhoun White, Jr.

Doctor of Dental Surgery

John Melvin Adams
Howard Alexander
Clarence Udelmar S. Babcock
John Henry Baker
Lloyd Lewis Baker
Chalmer Truman Barnsback
James Edwin Beck
Claude Edward Berkshire
Chester Arthur Bigler
Charles William Bird
Anton LeRoy Boman
John McIntyre Bow
Maurice David Kaufman Bremner
Albert Brighouse
Fred Brown
Michael Joseph Buckley
Harry John Burke
Jesse Francis Burton
John Harvey Cadmus
James Rex Calvert
Albert William Campbell, Ph.G.
Aaron William Chulock
Roy Jay Chady
Aaron William Chulock
Arthur Dunbar Closson
William Alfred Cochran
Alvie Sylvester Cole
Thomas Day Craig
Orval Alexander Crossan
Edward Timothy Crowley
Harry Ray Cummins
Victor William Dedon
Fred Steuben Diehl
George Edward Dixon
August Wilhelm M. Dohrmann
John Morrisson Donovan
Chase Creel Dooley
Ernest Lucien Dunn
Thomas Francis Egan
Theodore Max Alvine Elsnau
Ernest Isaac Evans
George Edward Exon
Homer Enoch Fankhauser
William Sydney Field
Walter Carlous Follett
Leroy Allen Foster
Floyd Wheatley Freel
Samuel Leonard Friedman
Logan Blaine Galbraith
William Herbert Gill
Nathan Howard Gist
David Jesse Gordon
Idella Elnora Graves
Francis Wendell Grove, B.S.

Herman Philander Gulstine
Carl William Hamel
Joseph Garfield Harris
Alice Constance Hartt
Edward John Hauser
William Frederick Heisler
Olive Myrtle Henderson
Clyde LeRoy Hixon
Mark Francis Hogan
David Elven Holmquest
Chester Will Hoover
Lawrence Raymond Johnson, as of the class of 1907.
Sidney Harold Johnson
Ramon Jones
John Calvin Kauffman, Jr.
Claude Monticue Kennedy
John Francis Keyes
Franz Joseph Krembs
Moritz Krembs
Charles Andre Lacaze
Robert Dave Langstead
Seth Alma Langton, Jr.
Harry Austin Lazier
Samuel Harold Leavitt
Gerhard Ferdinand Legvold
Arthur Aaron Leininger
Walton Francis Lemmon
John Daniel Lyding
Joseph Benjamin Lyding
Oliver Edward Lynch
Samuel McBroom, as of the class of 1907.
Grover C. McKay
N. Bruce McKay
David Macdonald
Orlando Elmer Martin
Lloyd Chester Mason
Roy Eugene Mead
Harry Benjamin Meisel
Arthur Edgar Mertz
George Edward Meyer
Bessie E. Middlemas
Henry Louis Mills
Roderick Munro Morange
Walter A. Morgan
Walter Washington Mott
Thomas Tillinghast Mulford
Aethel Thompson Murdy
Walter Alen Myers
George Henry Oleson
Axel Frank Olson
Leroy Theodore Ott
Clement Emerson Parker
Leon P. Pasternacki
Carl Elmer Pfeiffer
Joseph Bliven Rice
Albert Clarence Rich
George Franklin Richards, Jr.
Louis Carl Richter
Clarence Albert Roberts
Edward R. Roberts
Elling I. Rosheim
Elmore Salisbury
Charles Sumner Savage
Samuel Robert Savage
Bernhardt Hampden Scheffer
Theodore Schmook, Jr.
Abraham Morris Schoenbrod
Ned Wesley Schoonover
Louis Schultze
Albert Elbridge Scott
Carl Elstrom Sebelius
Charles Gilbert Shaddle
Orville Manson Sherman
Roy Orval Smith
Russell Zeigler Stam
John Gruell Stanley
Thomas Edward Starry
George Edmund Stephens
Paul Edward Stiehm
Fred J. Swisher
Guy Everett Taylor
Horace John Tharp
Albert Robert Thomason
Ellis Howard Thompson
Goodwin Toraason
Harvey Milton Uebele
Ernest Lucien Walbridge, Ph.G.
Ray Harold Wallace
Arthur Frederick William Walther
William Henry Watts
James Richard Welch
John Henry Wick
Arthur Nelson Wilen
Charles Ackerman Wintermute
Frederick Holmes Wittenbrook
Abraham Morris Wolson
Arthur M. Yessler
Charles W. Young
Arthur Wilbert Zemke

Graduate in Music

Frank Edward Barry
Carl Milton Beecher
Hedwig Brenneman
Lillian Eckert
Grace Garrett
Alice Lucile Kennedy
Minnarose Oakes
Mae Isabel Smith

Diploma in Music

Anthony Oliver Theophilus Astenius
Agnes Jane Hanmer
Lena Ward
William Robert Williams

Graduate Nurse—Mercy Hospital

Mary Elizbeth Brown
Mary G. Close
Grace Magdalene Collins
Susan Marie Cullen
Maude Anna Curran
Sister Mary Edward Dwyer
Genevieve Elizabeth Dyer
Anna Emily Gough
Augusta Ann Gough
Frances Helena Hackett
Elizabeth Powderly Hammer
Marie Frances Hanley
Laura Agnes Kreer
Mary Althea Lawless
Anna Theresa Legris
Anna Marie Long
Winifred Josephine McHugh
Frances McLean
Mary Josephine Miller
Laura Leona Mongeau
Marie Eleanor Mortimer
Clotida Marie Pare
Anna Eleanor Powderly
Rose Reilly
Christine Adele Richards
Olive Floyd Tucker
Sarah Anna Uriell
Mildred Mae VanAken
Adelaide Mary Walsh

Graduate Nurse—Wesley Hospital

Hilda Kirk Burton
Kathryn Estella Dixon
Edna Inez Dubois
Ethel Louise Foy
Cora Louise Hearne
Nina Orr Kellogg
Nelle Kier
Anna M. Larson
Mabel McCracken
Jessie Beulah Nickerson
Ruth Pohl
Lulu May Sayer
Elsa Marie Skade
Nelle Sullivan
Frances Eleanor Young

PRIZES AND HONORS

1907-1908

UNIVERSITY

Gage Prize, for excellence in debate: Earl Casper Arnold, John D. Evans, George Frederick Falley, Samuel Harvey Gilbert, Edward Brown Roberts, Loring James Whiteside.

The Kirk Prize, for excellence in Oratory: Vernon Reece Loucks.

COLLEGE OF LIBERAL ARTS

The Sargent Prize, for excellence in Declamation: First prize, Loring James Whiteside; second prize, Emory Stephen Bogardus.

The Harris Prize, in Political and Social Science: Fred Homer Clutton, A.B.

MEDICAL SCHOOL

Special Honors at Graduation

Cum Laude: William Hillhouse Perry, Frank Gillingham Morrill, Bert Smith Stevens, Joseph Spiro Eisenstaedt, B.S., Thomas Henry Grosvenor, B.L.

Interneships

Cook County Hospital; Raymond Emil Bechtel, Joseph Spiro Eisenstaedt, Gordon Trevor Courtenay, John Adam Wolfer, Burt Smith Stevens, William Hillhouse Perry, John Vincent Kerrigan, Hugo William Traub, Thomas Patrick Foley, Fred Short Ryan, Alvis Eugene Greer, Thomas Howard Grosvenor, Frank Gillingham Morrill.

Mercy Hospital; Alexander Schlapik, Clarence Leighton Poley, Fred Duval Waugh, Gilbert Joshua Thomas, John Jeremiah Kerwin, George Daniel Griffin, Francis Joseph Powers.

Wesley Hospital; Frederick Auld Hudson, Claire Rasor, Dorr Foster Hallenbeck, Paul Ingebretsen.

St. Luke's Hospital; Frederic Charles Huff, George Holt Barksdale, George Irving Wright.

Englewood Hospital; Charles Sigmond Salmon, Fred Short Ryan, Henry Frost Hooker, Earl Lucas Baum, Milton H. Schutz, Ralph Harold Hertzler.

St. Bernard's Hospital; John Ferdinand Schaefer.

The Chicago Lying-in Hospital; Francis Marion Hartsook, Charles Francis McNevin, Charles Lindley Steer, Evert Clarence Hartman, Floyd Erie Coultrap, Wilfred John Hewson, Walter Franklin Nuzum, John Wakeman Turner.

Michael Reese Hospital; Joseph Redmond Condon.

Hospital for Consumptives, Dunning, Illinois; Maurice A. Bernstein, John Wakeman Turner.

St. Luke's Hospital, Denver Colorado; Thurston William Weum.

St. Francis Hospital, Wichita, Kansas; Paul Edward Kelly.
City and County Hospital, St. Paul, Minnesota; Edward Victor Goltz.
St. Mary's Hospital, Rochester, Minnesota; Charles Francis McNevin.
German Hospital; Christine Martin Berntsen, Ralph Harold Hertzler.
Tabitha Hospital; Archibald Louis Arends, Ernst Herman Hoffman.
Rockford City Hospital, Rockford, Illinois; Perry Eugene White.
St. Joseph's Hospital; Timothy Richardson Hinchion.
Grove's Hospital, Salt Lake City, Utah; Christopher Arnold Thompson.
The Swedish Hospital, Minneapolis, Minnesota; Edwin Marius Howg.

LAW SCHOOL

The Henry Sargent Towle Prizes: First prize, Ernest Palmer, A.M.; second prize, Frank Beatty, A.B.

The Follansbee Prize, for the best thesis on some subject of Legal Ethics: Henry Fehrman.

The Callaghan Prize, for the best scholarship throughout the course: Cecil Barnes, A.M.

SCHOOL OF PHARMACY

Honorable Mention for Excellence in Scholarship: Otto Rudolph Peters.

ALUMNI ASSOCIATIONS

COLLEGE OF LIBERAL ARTS

FRANK MACAJAH ELLIOTT, 1877.....President
225 Lake Street, Evanston, Illinois
EDWARD BROWN WITWER, 1895.....Vice-President
126 South Seeley Avenue, Chicago
JOHN LEWIS ALABASTER, 1892.....Recording Secretary
719 Noyes Street, Evanston, Illinois
CLARENCE JOB LUTHER, 1904.....Corresponding Secretary
1317 Benson Avenue, Evanston, Illinois
MERRITT CALDWELL BRAGDON, 1870.....Treasurer
1709 Chicago Avenue, Evanston, Illinois

Directors

Term Expires 1909

MYRON EUGENE TAYLOR, 1906
CHARLES WILLIAM SPOFFORD, 1896
CARLETON HENRY PENDLETON, 1898
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Term Expires 1910

JAMES FRANKLIN OATES, 1893
JOHN LEWIS ALABASTER, 1892
FRANK MACAJAH ELLIOTT, 1877
FRANK ALVIN NAGLEY, 1907

Term Expires 1911

FRANK ELMER LORD, 1883
JOHN AUSTIN BELLOWS, 1892
EDWARD BROWN WITWER, 1895
FRANK OHR POTTER, 1908

MEDICAL SCHOOL

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Decatur, Illinois
WILLIAM EDWARD SCHROEDER, 1891.....First Vice-President
103 State Street, Chicago
EUGENE EMIL BECHTEL, 1908.....Second Vice-President
Cook County Hospital, Chicago
ALLEN BUCKNER KANAVEL, 1899.....Secretary
103 State Street, Chicago
WILLIAM ALFRED MANN, 1883.....Treasurer
70 State Street, Chicago
OTTO STEVE PAVLIK, 1904.....Necrologist
465 Milwaukee Avenue, Chicago

LAW SCHOOL

ALFRED D. EDDY, 1879.....President
Fisher Building, Chicago
SIGMUND ZEISLER, 1884.....First Vice-President
First National Bank Building, Chicago

REDMOND DAVIS STEPHENS, 1899.....Second Vice-President
The Temple, Chicago
FREDERICK BURNHAM, 1905 .....Third Vice-President
Stock Exchange Building, Chicago
DANIEL PEARSON TRUDE, 1904.....Secretary
79 Clark Street, Chicago
SAMUEL E. KNECHT, 1891.....Treasurer
State Bank of Chicago, Chicago

SCHOOL OF PHARMACY

CHARLES A. STORER, 1888.....President
Ohio and Rush Streets, Chicago
WILLIAM HENRY HARRISON, 1904.....Vice-President
23 Elaine Place, Chicago
GEORGE CONRAD HANSEN, 1906.....Second Vice-President
417 North Hoyne Avenue, Chicago
RALPH HANEY SMITH, 1894.....Third Vice-President
56 Fifth Avenue, Chicago
GEORGE DANIEL OGLESBY, 1891.....Secretary
31st Street and Indiana Avenue, Chicago
HENRY F. SCHAPNER, 1895.....Treasurer
136 West North Avenue, Chicago
TRUSTEES—HENRY FREDERICK HAUTH, 1907; OTTO RUDOLPH PETERS, 1908; JOSEPH THOMAS DVORAK, 1908.

DENTAL SCHOOL

HARVEY EDGAR HARRISON, *1899.....President
JESSE WILLIAM RITTER, 1897.....Vice-President
Charleston, Illinois
GEORGE ROBERT PUFFER, 1906.....Secretary
631 Fullerton Avenue, Chicago
WILLIAM POLLOCK CRAIG, 1903.....Treasurer
7151 Harvard Avenue, Chicago
EXECUTIVE COMMITTEE—FREDERICK WILLIAM PARKER, 1899; ARTHUR DAVENPORT BLACK, 1900; CHARLES A. YOUNG, 1898.

WOMAN'S MEDICAL SCHOOL

ELIZA H. ROOT, 1882.....President
489 West Monroe Street, Chicago
JULIA D. MERRILL, 1895.....First Vice-President
683 North Robey Street, Chicago
EMMA CATHERINE HACKETT, 1900.....Second Vice-President
Hull House, Chicago
ANNA ROSS LAPHAM, 1898.....Secretary
260 Bowen Avenue, Chicago
MARY CAROLINE HOLLISTER, 1882.....Treasurer
31 Washington Street, Chicago

THE SCHOOL OF ORATORY

AGNES LAW, 1896.....President
628 Foster Street, Evanston
ADDIE MURPHY GRIGG.....First Vice-President
Los Angeles, California

* Deceased.

KATE WISNER MCCLUSKY, 1895.....Second Vice-President
2315 Sherman Avenue, Evanston
J. L. LARDNER, 1900.....Third Vice-President
Terre Haute, Indiana
RALPH BROWNELL DENNIS, 1899.....Secretary-Treasurer
720 Clark Street, Evanston
JOSEPHINE FRANCES MCGARRY, 1902.....Annalist
451 Dayton Avenue, Chicago

NORTHWESTERN CLUB OF NEW ENGLAND

GEORGE BENJAMIN WOODS, 1903.....President
38 Gorham Street, Cambridge, Massachusetts
SHELBY MILLARD HARRISON, 1906.....Secretary
56 College House, Cambridge, Massachusetts
CHRIS JACOB OLESON, 1906.....Treasurer
72 Mount Vernon Street, Boston, Massachusetts

NORTHWESTERN CLUB OF WASHINGTON, D. C.

ISAAC REYNOLDS HITT, JR., 1888.....President
1334 Columbus Road, Washington, D. C.
FRANK MILTON BRISTOL, 1877.....Vice-President
Washington, D. C.
HARRISON EASTMAN PATTEN, 1894.....Secretary
1342 Girard Street, N. W., Washington, D. C.
FRANCIS ASBURY SPRINGER, 1860.....Treasurer
1842 Ingleside Terrace, Washington, D. C.

NORTHWESTERN CLUB OF NEW YORK

GEORGE MOONEY, 1894.....President
14 Prospect Street, South Orange, N. J.
MAUDE WILLIS .....Vice-President
215 West 116th Street, New York
CHARLES HARVEY FAHS, 1898.....Secretary
150 Fifth Avenue, New York
ARLO AYRES BROWN, 1903.....Treasurer
63 West 56th Street, New York

NORTHWESTERN CLUB OF ST. LOUIS

CHARLES EDGAR WITTER, 1897.....President
5262 McPherson Avenue, St. Louis
JOHN J. LINK, 1890.....Vice-President
M. and J. Building, St. Louis
MILTON FRYE, 1903.....Secretary
McKinley High School, St. Louis
ENOS ROLLIN BARNES, 1893.....Treasurer
4049 Botanical Avenue, St. Louis

NORTHWESTERN CLUB OF SPOKANE, WASHINGTON

EDWIN STEVENS HUTCHINS,* 1897.....President
HUGO EDMUND OSWALD, 1899.....Vice-President
Fernwell Building, Spokane

*Deceased.

NINA C. WILLIAMS .....Secretary
925 Fifth Avenue, Spokane
REX WEEKS .....Treasurer
1120 Fourteenth Avenue, Spokane

NORTHWESTERN CLUB OF SOUTHERN ILLINOIS

PERRY HARRISON CLEVELAND, 1905.....President
Benson, Illinois
MARY MANLEY .....Vice-President
Mt. Carmel, Illinois
CHAUNCEY LAWDER STRATTON, 1907.....Secretary-Treasurer
Mt. Vernon, Illinois

NORTHWESTERN CLUB OF CALIFORNIA

ARTHUR H. BRIGGS, 1881.....President
Los Gatos
ALBERT G. MORSE, 1900.....Vice-President
Pacific Grove
HENRY B. CAREY, 1905 .....Secretary
San Francisco
GEORGE A. WOOD, 1905.....Treasurer
1458 Sutler Street, San Francisco

NORTHWESTERN CLUB OF SEATTLE, WASHINGTON

JOHN T. CONDON .....President
University of Washington, Seattle
HARRY LOGAN GEARY, 1906.....First Vice-President
860 Empire Building, Seattle
JAMES HAROLD HANCE, 1901.....Second Vice-President
University Station, Seattle
CHARLES AUGUSTUS WARHANIK, 1904.....Secretary-Treasurer
210 Eitel Building, Seattle

NORTHWESTERN CLUB OF THE MISSOURI VALLEY

ARTHUR E. HERTZLER, 1892.....President
402 Argyle Building, Kansas City
AVIS ELIDA SMITH, 1883.....Vice-President
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SUMMARY

Trustees	44
Officers of Administration	26
Faculty Total	378
College of Liberal Arts Faculty	73
Medical School Faculty	142
Law School Faculty	21
College of Engineering Faculty	2
School of Pharmacy Faculty	10
Dental School Faculty	36
School of Music Faculty	27
School of Commerce Faculty	6
School of Oratory Faculty	9
Evanston Academy Faculty	18
Grand Prairie Seminary Faculty	12
Elgin Academy Faculty	12
Theological Schools	11
Other Officers	20
Names Counted Twice	24
TOTAL, Without Duplicates	445

Degrees Conferred 1908

Honorary Degrees, Total	6
Doctor of Laws	2
Doctor of Divinity	1
Master of Arts	1
Master of Laws	2
Degrees in Course, Total	554
Master of Arts	24
Master of Science	2
Master of Laws	1
Bachelor of Arts	83
Bachelor of Science	44
Doctor of Medicine	136
Bachelor of Laws	65
Pharmaceutical Chemist	14
Graduate in Pharmacy	42
Doctor of Dental Surgery	153
Diplomas Awarded, Total	56
Graduate in Music	8
Diploma in Music	4
Graduate Nurse	44
Names Counted Twice	2
TOTAL, Without Duplicates	614

Students 1907-1908

College of Liberal Arts, Total	1145
Graduate Students	57
Undergraduate Students	980
Extension Courses	108
Medical School	684
Law School	274
School of Pharmacy	160
Dental School	357
School of Music	321
School of Oratory	234
Special and Summer Students, Not Counted Elsewhere	89
Schools of the University, Total, Duplicates Not Counted	3093
Theological Schools, Total, Duplicates Not Counted	210
Preparatory Departments, Total	1042
TOTAL FOR THE YEAR 1907-1908, Excluding Duplicates	4086

Students December, 1908

COLLEGE OF LIBERAL ARTS, TOTAL	1012
Graduate Students, Total	70
Fellows	6
Graduates, Resident	56
Graduates, Non-Resident	8
Undergraduate Students, Total	903
Candidates for a Bachelor's Degree	780
Not Candidates for a Degree	44
Registered in Other Schools of the University	79
Extension Courses	39
MEDICAL SCHOOL, TOTAL	600
Fourth Year	150
Third Year	151
Second Year	139
First Year	64
Special and Graduate Students	96
LAW SCHOOL, TOTAL	258
Graduate Students	7
Third Year	82
Second Year	76
First Year	77
Special Students	16
COLLEGE OF ENGINEERING	39
SCHOOL OF PHARMACY, TOTAL	156
Second Year	48
First Year	91
Special Students	17
DENTAL SCHOOL, TOTAL	246
Third Year	95
Second Year	71
First Year	80
SCHOOL OF MUSIC, TOTAL	309
Students in Regular Courses	186
Special Students	123

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PREPARATORY DEPARTMENTS, TOTAL..... 925
The Evanston Academy 544
School of Music, Preparatory Department..... 69
Grand Prairie Seminary 175
Elgin Academy 137

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February 1910

ANNUAL CATALOGUE
1909-1910

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June 21, Mon. And the third Monday evening of each month thereafter, Regular Meeting of the Executive Committee of the Board of Trustees

Oct. 12, Tue. Regular Meeting of the Board of Trustees

1910

Jan. 11, Tue. Regular Meeting of the Board of Trustees

Jan. 28, Fri. Founders' Day

Feb. 14, Mon. Norman W. Harris Lectures, to Feb. 19, Sat., inclusive

Apr. 12, Tue. Regular Meeting of the Board of Trustees

June 7, Tue. Annual Meeting of the Board of Trustees

June 8, Wed. FIFTY-SECOND ANNUAL COMMENCEMENT.

June 20, Mon. And the third Monday evening of each month thereafter, Regular Meeting of the Executive Committee of the Board of Trustees

Oct. 11, Tue. Regular Meeting of the Board of Trustees

1911

Jan. 10, Tue. Regular Meeting of the Board of Trustees

Jan. 28, Sat. Founders' Day

Apr. 11, Tue. Regular Meeting of the Board of Trustees

June 13, Tue. Annual Meeting of the Board of Trustees

June 14, Wed. FIFTY-THIRD ANNUAL COMMENCEMENT

The College of Liberal Arts and The College of Engineering

1909-1910

1909

Sept. 27, Mon. Academic year 1909-1910 begins

Sept. 27, Mon. Examinations for admission

Sept. 27, Mon. First day of registration

Sept. 29, Wed. Second examinations

Sept. 30, Thu. Class work begins

Oct. 11, Mon. Last day for registration of candidates for advanced degrees

Nov. 19, Fri. Gage Prize Debate

Nov. 25, Thu. Thanksgiving Recess, to November 28, Sunday, inclusive

Dec. 1, Wed. Last day for filing of titles of theses for advanced degrees

Dec. 23, Thu. Christmas recess, to January 3, Monday, inclusive

1910

Jan. 4, Tue. Class work begins

Jan. 21, Fri. Central Debating League Contest

Jan. 22, Sat.	Last day for presentation of orations for the Kirk Prize
Feb. 2, Wed.	Mid-year examinations begin
Feb. 10, Thu.	Additional examinations
Feb. 11, Fri.	Second semester begins
Feb. 12, Sat.	Second examinations
Feb. 14, Mon.	Class work resumed
Feb. 18, Fri.	Sargent Prize Contest
Feb. 22, Tue.	Washington's Birthday
Mar. 4, Fri.	Local Freshman Debate
Mar. 11, Fri.	Kirk Prize Contest
Mar. 18, Fri.	Bragdon Prize Contest
Mar. 25, Fri.	Easter Recess, to March 28, Monday, inclusive
Mar. 28, Mon.	Second examinations
Mar. 31, Thu.	Deering Prize Contest
Apr. 1, Fri.	Raymond Prize Contest
Apr. 8, Fri.	Cleosophic Prize Contest
Apr. 15, Fri.	Intercollegiate Freshman Debate
May 2, Mon.	Last day for the presentation of theses for the Harris Prize and for the Orrington Lunt Prize
May 6, Fri.	Northern Oratorical League Contest
May 14, Sat.	Last day for the presentation of theses for advanced degrees
May 21, Sat.	Oral examinations of candidates for advanced degrees
May 25, Wed.	Regular examinations begin
May 30, Mon.	Memorial Day
June 3, Fri.	Additional examinations
June 8, Wed.	FIFTY-SECOND ANNUAL COMMENCEMENT.
June 13, Mon.	Beginning of field work in surveying
July 23, Sat.	End of field work in surveying

1910-1911

1910

Sept. 19, Mon.	Academic year 1910-1911 begins
Sept. 19, Mon.	Examinations for admission
Sept. 19, Mon.	First day of registration
Sept. 21, Wed.	Second examinations
Sept. 22, Thu.	Class work begins
Oct. 3, Mon.	Last day for registration of candidates for advanced degrees
Nov. 18, Fri.	Gage Prize Debate
Nov. 24, Thu.	Thanksgiving Recess, to November 27, Sunday, inclusive
Dec. 7, Wed.	Last day for the filing of titles of theses for advanced degrees
Dec. 23, Fri.	Christmas Recess, to January 3, Tuesday, inclusive

1911

Jan. 4, Wed.	Class work resumed
Jan. 20, Fri.	Central Debating League Contest
Jan. 21, Sat.	Last day for presentation of orations for the Kirk Prize
Feb. 1, Wed.	Mid-year Examinations begin
Feb. 9, Thu.	Additional examinations
Feb. 10, Fri.	Second semester begins
Feb. 11, Sat.	Second examinations
Feb. 13, Mon.	Class work resumed
Feb. 17, Fri.	Sargent Prize Contest
Feb. 22, Wed.	Washington's Birthday
Mar. 3, Fri.	Local Freshman Debate
Mar. 10, Fri.	Kirk Prize Contest
Mar. 17, Fri.	Bragdon Prize Contest
Mar. 30, Thu.	Deering Prize Contest
April 7, Fri.	Raymond Prize Contest
Apr. 14, Fri.	Cleosophic Prize Contest
Apr. 14, Fri.	Easter Recess, to April 17, Monday, inclusive
Apr. 17, Mon.	Second examinations
Apr. 21, Fri.	Intercollegiate Freshman Debate
May 1, Mon.	Last day for presentation of theses for the Harris Prize and for the Orrington Lunt Prize
May 5, Fri.	Northern Oratorical League Contest
May 13, Sat.	Last day for presentation of theses for advanced degrees
May 27, Sat.	Oral examinations of candidates for advanced degrees
May 30, Tue.	Memorial Day
May 31, Wed.	Regular examinations begin
June 9, Fri.	Additional examinations
June 14, Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT.
June 19, Mon.	Beginning of field work in surveying
July 29, Sat.	End of field work in surveying

The Medical School

1909-1910

1909

June 1, Tue.	Summer School begins
July 31, Sat.	Summer School closes
Oct. 4, Mon.	Examinations for admission; registration begins
Oct. 5, Tue.	Class work begins
Oct. 8, Fri.	Examinations for conditioned students
Oct. 11, Mon.	Last day for registration for advanced degrees, College of Liberal Arts

Nov. 25, Thu.	Thanksgiving recess, to November 28, Sunday, inclusive
Nov. 29, Mon.	Class work resumed
Dec. 1, Wed.	Last day for filing titles of theses for advanced degrees, College of Liberal Arts
Dec. 23, Thu.	Christmas recess, to January 3, Monday, inclusive
1910	
Jan. 4, Tue.	Class work resumed
Jan. 24, Mon.	Mid-year examinations begin
Jan. 31, Mon.	Second semester begins
Feb. 22, Tue.	Washington's Birthday
Mar. 25, Fri.	Easter recess, to March 28, Monday, inclusive
Mar. 29, Tue.	Class work resumed
May 14, Sat.	Last day for presentation of theses for advanced degrees; College of Liberal Arts
May 23, Mon.	Examinations begin
May 30, Mon.	Memorial Day
May 31, Tue.	Alumni Banquet
June 1, Wed.	Summer School begins
June 8, Wed.	FIFTY-SECOND ANNUAL COMMENCEMENT
July 30, Sat.	Summer School closes

1910-1911

1910	
Oct. 3, Mon.	Examinations for admission; registration begins
Oct. 3, Mon.	Last day for registration for advanced degrees; College of Liberal Arts
Oct. 4, Tue.	First semester begins
Oct. 7, Fri.	Examinations for conditioned students
Nov. 24, Thu.	Thanksgiving recess, to November 27, Sunday, inclusive
Nov. 28, Mon.	Class work resumed
Dec. 7, Wed.	Last day for filing titles of theses for advanced degrees; College of Liberal Arts
Dec. 23, Fri.	Christmas recess, to January 2, Monday, inclusive
1911	
Jan. 3, Tue.	Class work resumed
Jan. 30, Mon.	Mid-year examinations begin
Feb. 6, Mon.	Second semester begins
Feb. 22, Wed.	Washington's Birthday
Apr. 14, Fri.	Easter recess, to April 17, Monday, inclusive
Apr. 18, Tue.	Class work resumed
May 1, Mon.	Last day for presentation of theses for advanced degrees; College of Liberal Arts
May 22, Mon.	Examinations begin
May 30, Tue.	Memorial Day

May 30, Tue. Alumni Banquet
June 1, Thu. Summer School begins
June 14, Wed. FIFTY-THIRD ANNUAL COMMENCEMENT
July 29, Sat. Summer School closes

The Law School

1909-1910

1909
Sept. 27, Mon. Registration of New Students
Sept. 28, Tue. Registration of Applicants for Advanced Standing
Sept. 29, Wed. Registration of other students
Sept. 30, Thu. Lectures begin
Nov. 25, Thu. Thanksgiving recess, to Sunday, November 28, inclusive
Dec. 23, Thu. Christmas recess, to Tuesday, January 4, inclusive
1910
Jan. 5, Wed. Lectures begin
Jan. 21, Fri. Central Debating League Contest
Jan. 22, Sat. Last day for presentation of orations for the Kirk Prize
Jan. 27, Thu. Lectures close
Jan. 31, Mon. Examinations begin
Feb. 7, Mon. Second Semester begins
Feb. 12, Sat. Lincoln's Birthday
Feb. 22, Tue. Washington's Birthday
Mar. 11, Fri. Kirk Prize Contest
Apr. 22, Fri. Towle Prize Debate
May 19, Fri. Examinations begin
June 8, Wed. FIFTY-SECOND ANNUAL COMMENCEMENT

1910-1911

1910
Sept. 19, Mon. Registration of new students
Sept. 20, Tue. Registration of Applicants for advanced standing
Sept. 21, Wed. Registration of other students
Sept. 22, Thu. Lectures begin
Nov. 24, Thu. Thanksgiving recess, to Sunday, November 27, inclusive
Dec. 23, Fri. Christmas recess, to Tuesday, January 3, inclusive
1911
Jan. 4, Wed. Lectures begin
Jan. 20, Fri. Central Debating League Contest
Jan. 21, Sat. Last day for presentation of orations for the Kirk Prize
Jan. 26, Thu. Lectures close
Jan. 30, Mon. Examinations begin
Feb. 6, Mon. Second semester begins
Feb. 12, Sun. Lincoln's Birthday

Feb. 22, Wed.	Washington's Birthday
Mar. 10, Fri.	Kirk Prize Contest
Apr. 21, Fri.	Towle Prize Debate
May 25, Thu.	Lectures close
May 26, Fri.	Examinations begin
June 14, Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT

The School of Pharmacy

1909-1910

1909	
Sept. 20, Mon.	First day of registration
Sept. 22, Wed.	Lectures and class work begin.
Nov. 25, Thu.	Thanksgiving Recess to Sunday, Nov. 28, inclusive
Dec. 20, Mon.	Christmas recess to Sunday, Jan. 2, inclusive
1910	
Jan. 3, Mon.	Instruction resumed
Feb. 12, Sat.	Lincoln's Birthday
Feb. 22, Tue.	Washington's Birthday
Apr. 5, Tue.	Examinations begin, Graduate in Pharmacy course
Apr. 5, Tue.	Recess, to Sunday, April 10, inclusive, Pharmaceutical Chemist course
Apr. 11, Mon.	Instruction resumed, Pharmaceutical Chemist course, first year class
Apr. 11, Mon.	Alumni Banquet
Apr. 13, Wed.	Graduating exercises, Graduate in Pharmacy course and three year Pharmaceutical Chemist course.
May 30, Mon.	Memorial Day
May 31, Tue.	Senior examinations begin, Pharmaceutical Chemist course.
June 7, Tue.	Alumni Dinner
June 8, Wed.	FIFTY-SECOND ANNUAL COMMENCEMENT
June 18, Sat.	Year's work ends, Pharmaceutical Chemist course

1910-1911

1910	
Sept. 26, Mon.	First day of registration
Sept. 28, Wed.	Lectures and class work begin
Nov. 24, Thu.	Thanksgiving recess to Sunday, November 27, inclusive
Dec. 19, Mon.	Christmas recess to Sunday, January 1, inclusive
1911	
Jan. 2, Mon.	Instruction resumed
Feb. 22, Wed.	Washington's Birthday
Apr. 4, Tue.	Examinations begin, Graduate in Pharmacy course

Apr. 4, Tue.	Recess, to Sunday, April 9, inclusive, Pharmaceutical Chemist course
Apr. 10, Mon.	Instruction resumed, Pharmaceutical Chemist course, first year class
Apr. 10, Mon.	Alumni Banquet
Apr. 12, Wed.	Graduating exercises, Graduate in Pharmacy course and the three year Pharmaceutical Chemist course
May 30, Tue.	Memorial Day
May 31, Wed.	Senior Examinations begin, Pharmaceutical Chemist Course
June 13, Tue.	Alumni Dinner
June 14, Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT
June 17, Sat.	Year's work ends, Pharmaceutical Chemist course

The Dental School

1909-1910

1909	
Oct. 5, Tue. to Oct. 15, Fri.	Examination of credentials for admission
Oct. 5, Tue.	School opens
Oct. 8, Fri. to Oct. 16, Sat.	Examinations for advanced standing
Nov. 25, Thu.	Thanksgiving
Dec. 24, Fri.	Christmas recess to Jan. 2, Sunday, inclusive
1910	
Jan. 3, Mon.	Instruction resumed
Jan. 27, Thu.	Mid-term examinations begin
Feb. 3, Thu.	First Semester and mid-term examinations end
Feb. 4, Fri.	Second Semester begins
Feb. 22, Tue.	Washington's Birthday
May 14, Sat.	Senior examinations begin
May 21, Sat.	Junior and Freshman examinations begin
May 30, Mon.	Memorial Day
June 7, Tue.	Home Coming Alumni Clinic
June 8, Wed.	FIFTY-SECOND ANNUAL COMMENCEMENT
June 9, Thu.	Practitioner's summer course begins
July 7, Thu.	Practitioner's course ends

1910-1911

1910	
Oct. 4, Tue.	School opens
Oct. 4, Tue. to Oct. 14, Fri.	Examination of credentials for admission

Oct. 7, Fri. to Oct. 21, Fri.	Examinations for advanced standing
Nov. 24, Thu.	Thanksgiving
Dec. 24, Sat.	Christmas recess to Jan. 2, Monday, inclusive
1911	
Jan. 3, Tue.	Instruction begins
Jan. 26, Thu.	Mid-term examinations begin
Feb. 2, Thu.	First semester and Mid-term examinations end
Feb. 3, Fri.	Second Semester begins
Feb. 22, Wed.	Washington's Birthday
May 25, Thu.	Senior examinations begin
May 30, Tue.	Memorial Day
June 1, Thu.	Freshman and Junior examinations begin
June 5, Mon.	Practitioner's Summer Course begins
June 13, Tue.	Home Coming Alumni Clinic
June 14, Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT
July 3, Sat.	Practitioner's course ends

The School of Music

1909-1910

1909	
Sept. 21, Tue. and Sept. 22, Wed.	Examination for admission to regular courses
Sept. 23, Thu.	First Quarter begins
Nov. 24, Wed.	First Quarter ends
Nov. 25, Thu.	Thanksgiving recess, to November 28, Sunday, inclusive
Dec. 23, Thu.	Christmas recess, to January 2, Sunday, inclusive
1910	
Jan. 3, Mon.	Class Work resumed
Feb. 2, Wed.	Mid-year examinations begin
Feb. 9, Wed.	Second Quarter ends
Feb. 10, Thu.	Third Quarter begins
Apr. 13, Wed.	Third Quarter ends
Apr. 14, Thu.	Fourth Quarter begins
June 1, Wed.	Musical Festival, to June 4, Saturday, inclusive
June 3, Fri.	Examinations begin
June 8, Wed.	FIFTY-SECOND ANNUAL COMMENCEMENT
June 15, Wed.	Fourth Quarter ends

1910-1911

Sept. 20, Tue. and Sept. 21, Wed.	Examinations for admission
Sept. 22, Thu.	First Quarter begins
Nov. 23, Wed.	First Quarter ends

Nov. 23, Thu.	Thanksgiving recess, to November 27, Sunday, inclusive
Nov. 28, Mon.	Second Quarter begins
Dec. 22, Thu.	Christmas recess, to January 1, Sunday, inclusive
1911	
Feb. 1, Wed.	Mid-year examinations begin
Feb. 8, Wed.	Second Quarter ends
Feb. 9, Thu.	Third Quarter begins
April 12, Wed.	Third Quarter ends
April 13, Thu.	Fourth Quarter begins
May 31, Wed.	Musical Festival, to June 3, Saturday, inclusive
June 2, Fri.	Final examinations begin
June 14, Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT
June 14, Wed.	Fourth Quarter ends

The School of Commerce

1909-1910

1909	
Sept. 30, Thu.	Annual opening
Oct. 1, Fri.	Registration day
Oct. 4, Mon.	Regular class work begins
Nov. 25, Thu.	Thanksgiving
Dec. 23, Thu.	Christmas recess, to January 2, Sunday, inclusive
1910	
Jan. 3, Mon.	Class work resumed
Jan. 31, Mon.	Mid-year examinations begin
Feb. 7, Mon.	Second semester begins
Feb. 22, Tue.	Washington's Birthday
May 27, Fri.	Instruction closes
June 8, Wed.	FIFTY-SECOND ANNUAL COMMENCEMENT

1910-1911

1910	
Sept. 29, Thu.	Annual opening
Sept. 30, Fri.	Registration day
Oct. 3, Mon.	Regular class work begins
Nov. 24, Thu.	Thanksgiving
Dec. 23, Fri.	Christmas recess, to January 1, Sunday, inclusive
1911	
Jan. 2, Mon.	Class work resumed
Jan. 30, Mon.	Mid-year examinations begin
Feb. 6, Mon.	Second semester begins
1911	
Feb. 22, Wed.	Washington's Birthday
May 26, Fri.	Instruction closes
June 14, Wed.	FIFTY-THIRD ANNUAL COMMENCEMENT

1909	1910		1911

JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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FEBRUARY

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MARCH

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MAY

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JUNE

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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JANUARY

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FEBRUARY

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MARCH

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APRIL

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MAY

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JUNE

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The University

ON the last day of May, in the year 1850, there met in the City of Chicago, at the office of Grant Goodrich, 109 Lake Street, near Dearborn, nine men, Richard A. Blanchard, Jabez K. Botsford, Andrew J. Brown, Henry W. Clark, John Evans, Grant Goodrich, Zadoc Hall, Richard Haney, and Orrington Lunt, to consider the founding of a university in the vicinity of Chicago. They agreed that "the interests of Christian learning demand the immediate establishment of a University in the North-West," and appointed a committee to petition the General Assembly for a charter. On January 28, in the next year, 1851, Governor French signed the Act that incorporated Northwestern University under the title of "the Trustees of the Northwestern University." The name of the corporation has since been changed to Northwestern University.

The first Board of Trustees consisted of thirty-six persons, representatives of annual conferences of the Methodist Episcopal Church and citizens of Chicago and vicinity. The corporation as at present constituted consists of thirty-six trustees elected by the Board itself, and two elected by each of four annual conferences of the Methodist Episcopal Church, making a total of forty-four trustees.

The charter provides that a majority of the Board must be members of the Methodist Episcopal Church, but that no particular religious faith shall be required of those who become students at the institution.

Amendments have provided that other chartered institutions may become departments of the University; that all property of whatever kind or description belonging to or owned by the said corporation shall be forever free from taxation for any and all purposes; that no spirituous, vinous, or fermented liquors shall be sold under license or otherwise, within four miles of the location of the University.

After considering several locations in the vicinity of Chicago, the Trustees selected for the University a tract of land on the shore of Lake Michigan, twelve miles north of the heart of Chicago, and covered by an unbroken forest. Here in 1855 the first University building was erected, and about this location has grown up the City of Evanston, a beautiful residential city of twenty-five thousand inhabitants. The professional schools of Medicine, Law, Pharmacy, Dentistry, and Commerce are situated in the City of Chicago.

The Corporation

Officers

William Deering
Honorary President

William Fraser McDowell, D.D., LL.D.
President

Oliver Harvey Horton, LL.D.
First Vice-President

Humphreys Henry Clay Miller, A.M.
Second Vice-President

James A. Patten
Third Vice-President

Frank Philip Crandon, A.M.
Secretary and Auditor

John Richard Lindgren
Treasurer

William Andrew Dyche, A.M.
Assistant Secretary, Business Manager

Trustees Elected by the Corporation

Term Expires in 1910

Harlow Niles Higinbotham
William Henry Henkle
Stephen Joseph Herben, D.D., Litt.D.
Henry Sargent Towle, LL.B.
James A. Patten
George Peck Merrick, B.L., LL.M.
William Liston Brown
Henry Purcell Magill
Samuel McRoberts

Term Expires in 1911

Oliver Harvey Horton, LL.D.
William Deering
Merritt Caldwell Bragdon, A.M., M.D.
James Bartlett Hobbs
Frank Philip Crandon, A.M.
M. Cochrane Armour
William Andrew Dyche, A.M.
Perley Lowe
Irwin Rew, Ph.B.

Term Expires in 1912

William Fraser McDowell, D.D., LL.D.
Charles Pinckney Wheeler, A.M.
Henry Howard Gage
John Pollard McWilliams
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Frank Richardson Mason, A.M. ..... 2822 West Adams Street, Chicago
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Charles Martin Matter, M.D. ..... 4030 Prairie Avenue, Chicago
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..... Dentistry

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Huston French Methven, D.D.S. ..... 87 Lake Street, Chicago
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Alta Dorothy Miller, B.L. ..... 1707 Hinman Avenue, Evanston
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Maurice Ashbel Miner, Pharm.M. ..... 6446 Lexington Avenue, Chicago
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Professor of Anatomy ..... Dentistry

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James Caddall Morehead, Ph.D. ..... 1939 Sherman Avenue, Evanston
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Bernard Nelson, M.D.....5117 Michigan Avenue, Chicago
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Edward Powers Norcross, M.D.....103 State Street, Chicago
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Edmund Noyes, D.D.S.....96 State Street, Chicago
Professor of Dental Jurisprudence and Ethics.....Dentistry

Frederick Bogue Noyes, A.B., D.D.S.....96 State Street, Chicago
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George Daniel Oglesby, Ph.G.....200 East 31st Street, Chicago
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Luther James Osgood, M.D.....6106 Normal Avenue, Chicago
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John Edwin Owens, M.D.....Lexington Hotel, Chicago
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Curtis Hidden Page, Ph.D.....1741 Hinman Avenue, Evanston
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Lucius Crocker Pardee, M.D.....34 Washington Street, Chicago
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Rupert Merrill Parker, B.S., M.D.....3603 Indiana Avenue, Chicago
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Charles Wesley Darwin Parsons, A.M.....1009 Grove Street, Evanston
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Hugh Talbot Patrick, M.D.....34 Washington Street, Chicago
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Amos Williams Patten, A.M., D.D.....616 Foster Street, Evanston
Professor of Biblical Instruction.....Liberal Arts

Charles Waggener Patterson, B.S., Ph.C..6451 Minerva Avenue, Chicago
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Samuel Craig Plummer, A.M., M.D.....34 Washington Street, Chicago
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William Vipond Pooley, Ph.D.....811 Clark Street, Evanston
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Mary Ross Potter, A.M.....Willard Hall, Evanston
Dean of Women.....Liberal Arts

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George Corwin Poundstone, D.D.S.....2605 Milwaukee Avenue, Chicago
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Robert Bruce Preble, A.M., M.D.....103 State Street, Chicago
Professor of Medicine.....Medicine

Charles William Prentiss, A.M., Ph.D.....2431 Dearborn Street
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Louis Jacob Pritzker, M.D.....100 State Street, Chicago
Clinical Assistant in Gynecology.....Medicine

James Harrison Prothero, D.D.S.....87 Lake Street, Chicago
Professor of Prosthetic Technics, Prosthetic Dentistry, and Metallography.....Dentistry

George Robert Puffer, D.D.S.....87 Lake Street, Chicago
Demonstrator in Operative Dentistry.....Dentistry

Brown Pusey, M.D.....72 Madison Street, Chicago
Professor of Ophthalmology.....Medicine

William Edward Quine, M.D.....3160 Indiana Avenue, Chicago
Professor Emeritus of Physiology, Therapeutics, and Toxicology..
Pharmacy

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House Director.....Willard Hall

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Alfred Newton Richards, Ph.D ..... 2431 Dearborn Street, Chicago
Professor of Pharmacology ..... Medicine

Harry Mortimer Richter, M.D ..... 103 State Street, Chicago
Assistant Professor of Surgery ..... Medicine

Ernest Charles Riebel, M.D ..... 611 West 43rd Street, Chicago
Instructor in Surgery ..... Medicine

Ralph Emerson Riley ..... 820 Hamlin Street, Evanston
Instructor in Physical Training ..... Liberal Arts

Joseph Thomas Robert ..... 6414 Woodlawn Avenue, Chicago
Lecturer on Parliamentary Law ..... Law

Thomas Henry Robinson ..... 805 Greenleaf Street, Evanston
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Clinical Assistant in Genito-Urinary Surgery ..... Medicine

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Henry Schofield, A.M., LL.B ..... 87 Lake Street, Chicago
Professor of Law ..... Law

William Edward Schroeder, M.D ..... 103 State Street, Chicago
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Garland Dix Scott, M.D.....2431 Dearborn Street, Chicago
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Henry Scott, M.B., C.M.....2431 Dearborn Street, Chicago
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Liberal Arts

Walter Dill Scott, Ph.D.....721 Colfax Street, Evanston
Professor of Psychology.....Liberal Arts
Professor of Advertising.....Commerce

Ira Benson Sellery, D.D.S.....34 Washington Street, Chicago
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George Wiley Sherburn, A.M.....725 Foster Street, Evanston
Instructor in English Language.....Liberal Arts

George Curtice Shockey, M.D.....Melrose Park
Instructor in Clinical Neurology.....Medicine

Mabel Harriett Siller, B.L.....716 Clark Street, Evanston
Assistant Registrar.....Engineering

Nels Edward Simonsen, A.M., D.D.....2243 Orrington Avenue
Principal.....Norwegian-Danish

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Instructor in Dermatology.....Medicine

Walfried Singer.....6227 Magnolia Avenue, Chicago
Instructor in Harp.....Music

Stella Skinner.....720 Clark Street, Evanston
University Guild Lecturer on the Principles of Art.....Liberal Arts

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Mae Isabel Smith.....732 Emerson Street, Evanston
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Gleason Fillmore Starkweather.....722 Emerson Street, Evanston
Superintendent of Buildings and Grounds.....Liberal Arts

David Harrison Stevens, A.B.....620 Clark Street, Evanston
Instructor in English Language.....Liberal Arts

Montgomery Beatty Stewart.....1107 Church Street, Evanston
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Roscoe Leaton Stout, D.D.S.....87 Lake Street, Chicago
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Herbert Marion Stowe, M.D.....4433 Lake Avenue, Chicago
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Clayton Frank Bloomfield Stowell, D.D.S.....87 Lake Street, Chicago
Demonstrator in Extracting.....Dentistry

Walter Allen Stults.....724 Emerson Street, Evanston
Assistant Instructor in Voice Culture.....Music
Instructor in Hymnology and Church Music.....Garrett

Brown Fred Swift, B.S., M.D.....100 State Street, Chicago
Clinical Assistant in Genito-Urinary Surgery.....Medicine

Robert Richardson Tatnall, Ph.D.....624 Lincoln Street, Evanston
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Associate Professor of Physics.....Engineering

Arthur Guy Terry, Ph.D.....1812 Hinman Avenue, Evanston
Assistant Professor of History.....Liberal Arts

Milton Spenser Terry, D.D., LL.D.....1812 Hinman Avenue, Evanston
Professor of Christian Doctrine and Lecturer on Comparative Religion.....Garrett

Henry Bascom Thomas, B.S., M.D.....103 State Street, Chicago
Instructor in Clinical Orthopedic Surgery.....Medicine

Fred Wilbur Thyng, A.M., Ph.D.....2431 Dearborn Street, Chicago
Assistant Professor of Anatomy.....Medicine

Richard Joseph Tivnen, M.D.....100 State Street, Chicago
Instructor in Ophthalmology.....Medicine

Lowell Leslie Townsend, A.B.....1716 Orrington Avenue, Evanston
Reader in English Literature.....Liberal Arts

Guy Van Schaick, L.B., LL.B....Corn Exchange Bank Building, Chicago
Instructor in Commercial French and Commercial German..Commerce

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Benjamin Wäldberg, D.D.S.....87 Lake Street, Chicago
Superintendent of Prosthetic Laboratory.....Dentistry

Carl Gideon Wallenius.....2405 Sherman Avenue, Evanston
President.....Swedish

Frank Xavier Walls, M.D.....103 State Street, Chicago
Professor of Pediatrics.....Medicine

Seymour Walton, A.B., C.P.A.....189 LaSalle Street, Chicago
Professor of Theory and Practice of Accounting.....Commerce

Alfred George Wathall.....2647 Florence Avenue, Chicago
Instructor in Violin.....Music

Thomas James Watkins, M.D.....103 State Street, Chicago
Clinical Professor of Gynecology.....Medicine

Newton Edward Wayson, A.B.....2431 Dearborn Street, Chicago
Instructor in Bacteriology.....Medicine

John Thomas Welch, M.D.....265 55th Street, Chicago
Clinical Assistant in Surgery.....Medicine

Louis Richard Wernecke, Ph.C.....Winnetka
Assistant in Manufacturing Laboratory.....Pharmacy

Fred Werner, M.D.....2979 Indiana Avenue, Chicago
Instructor in Operative Obstetrics.....Medicine

Esther Lucy White, B.S.....Pearsons Hall, Evanston
Assistant in Zoölogy.....Liberal Arts

Hugh James White, M.D.....226 37th Street, Chicago
Clinical Assistant in Medicine.....Medicine

Twing Brooks Wiggin, M.D.....100 State Street, Chicago
Professor of Physiology and Pathology.....Dentistry

John Henry Wigmore, A. M., LL.B., LL.D.....207 Lake Street, Evanston
Professor of Law; Dean.....Law

Arthur Herbert Wilde, Ph.D, S.T.B.....2316 Orrington Avenue
Professor of History.....Liberal Arts
Secretary.....University Council

Murray Shipley Wildman, Ph.D.....847 Judson Avenue, Evanston
Assistant Professor of Commerce and Finance.....Commerce

Eugene Shaw Willard, D.D.S.....4835 Champlain Avenue, Chicago
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Assistant Professor of Operative Dentistry and Bacteriology..Dentistry

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Day Williams.....6233 Lakewood Avenue, Chicago
Instructor in Violoncello.....Music

John Gordon Wilson, A.M., M.B., C.M....34 Washington Street, Chicago
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Robert Edward Wilson, Ph.M.....2015 Sherman Avenue, Evanston
Assistant Professor of Mathematics.....Liberal Arts

Cassius Marcius Wood.....2023 Thayer Street, Evanston
Assistant Librarian.....Garrett

Thomas Victor Wooten, Ph.G.....87 Lake Street, Chicago
Administrative Officer.....Pharmacy

Frank Wright, Ph.C., M.D.....3035 Indiana Avenue, Chicago
Instructor in Chemistry.....Medicine

Abram VanEpps Young, Ph.B.....2106 Orrington Avenue, Evanston
Professor of Chemistry.....Liberal Arts

Charles Benjamin Younger, M.D.....34 Washington Street, Chicago
Instructor in Laryngology and Rhinology.....Medicine

Albert Bernard Yudelson, M.D.....4539 Indiana Avenue, Chicago
Assistant in Clinical Neurology.....Medicine

Joseph Zeisler, M.D.....100 State Street, Chicago
Professor of Skin and Venereal Diseases.....Medicine

Frederick Robert Zeit, M.D.....2431 Dearborn Street, Chicago
Professor of Pathology and Bacteriology.....Medicine

Grounds, Buildings and Equipment

The University Campus in Evanston has an area of about seventy-five acres and is beautifully situated on the shore of Lake Michigan, about two miles from the northern limit of the city of Chicago. On it are the buildings of the College of Liberal Arts, the College of Engineering, Garrett Biblical Institute, the Academy, and the School of Oratory. The School of Music and the Women's dormitories—Willard Hall, Pearsons Hall, and Chapin Hall—are on Willard Hall Campus, distant from the University Campus about three minutes walk. The Medical School is in Chicago, between 24th and 25th Streets on Dearborn Street. The Schools of Law, Pharmacy, Dentistry, and Commerce are in the University Building, at the corner of Lake and Dearborn Streets.

College of Liberal Arts

University Hall, a capacious stone structure of attractive architecture, was erected in 1869. It contains the President's office, the administrative offices of the College, the botanical, geological, and zoological laboratories, lecture and recitation rooms, and private offices for professors.

Fayerweather Hall of Science, erected in 1886, was the gift of Mr. D. B. Fayerweather, of New York. It is constructed of stone and brick, with terra-cotta trimmings. The front is 130 feet, and the depth 60 feet. At the rear are two wings, extending 54 feet, inclosing a court in which the power house for the building is located. It is divided into two sections, for chemistry and physics, separated by a fire-proof wall.

Orrington Lunt Library is a structure of Bedford limestone, erected in 1893, largely from a gift of Mr. Orrington Lunt, of Evanston, a charter member of the Board of Trustees and for some time its president. Its dimensions are 162 feet by 73 feet. The main floor contains a room for book storage, directly connected with a second book-room in the basement, the reading-room, and the offices of administration. On the second floor are an auditorium with seating capacity for three hundred persons, a large room occupied by the Art Collection, donated to the University by the University Guild, and apartments for class, seminary, and office use. Other parts of the building are used for class rooms.

Dearborn Observatory is a substantial stone building, erected in 1888 through the generosity of Mr. James B. Hobbs, of Chicago, a trustee of the University. Its length from north to south is 81 feet, and its greatest breadth is 71 feet. It includes a dome for the Equatorial, a Meridian Circle room, a Library, and eight additional rooms, the whole being arranged especially for convenience in astronomical work.

The equatorial refracting telescope was made by Alvan Clark and Sons, in 1861. It has a focal length of 23 feet and a clear aperture of $18\frac{1}{2}$ inches. It is fitted with driving clock, micrometer, and other appliances necessary for research work.

The meridian circle is of the first class, and was constructed in 1867 by Messrs. A. Repsold and Sons. This instrument has an object glass of $6\frac{3}{8}$ inches aperture, and a divided circle of 40 inches diameter, reading by four microscopes. In plan of construction it is like Bessel's celebrated Konigsberg circle by the same makers, but has some improvements in the mode of illuminating the field of view, and in apparatus for registering declinations. Hough's printing and recording chronographs are used for recording meridian observations and other phenomena.

The Observatory has a chronometer, William Bond and Son, No. 279, and three mercurial pendulum clocks.

Old College was the first building erected by the University. It stood originally on the corner of Hinman Avenue and Davis Street, and for many years was the only building the University used for educational purposes. It was moved to the Campus in 1871, and was enlarged for the use of the Academy. Since 1899, when the Academy was transferred to Fisk Hall, it has been used for college class-rooms.

The Gymnasium is an imposing structure on the upper Campus. Its area is 300 feet by 150 feet. In the erection of the building every effort was made to secure a maximum of convenience and efficiency.

The equipment of the building includes a gynmasium floor of 7,200 square feet, fitted with all apparatus necessary for class work; a smaller room for boxing, fencing, wrestling, and for the use of special apparatus; a swimming pool; an indoor field without obstructions, 215 by 120 feet, and provided with apparatus for track athletics; social rooms, offices, trophy room, and locker rooms.

The indoor field will be heated in cold weather so that indoor track work and athletic games may continue throughout the academic year. The form and spaciousness of the indoor field permit its use as an auditorium for the principal events of commencement week. It will accommodate an audience of 4,500 people.

The Central Heating Plant is on the lake shore near Old College. It has capacity for heating all the buildings on the main campus.

Northwestern Field was provided as an athletic field at a cost of $25,000, exclusive of the value of the land. It is twelve acres in area, comprising two foot-ball fields, a base-ball diamond, a quarter-mile cinder track with a 200-yard straightaway, and pits for pole vaulting and jumping. The Field House contains dressing quarters and shower baths. The bleachers have a capacity of ten thousand persons.

The Tennis Courts are immediately north of the lower campus.

The College of Engineering

The Swift Hall of Engineering, completed in 1909, is situated on the lake shore, east of Orrington Lunt Library. Funds for the erection of the building and its maintenance were donated by Mrs. Gustavus F. Swift and Mr. Edward F. Swift, of Chicago.

The building is four stories in height, is chaste in its lines of construction, and is specially adapted to the purposes of engineering studies. The outer walls are of gray stone, the roof of tile, the inner walls of pressed brick. Most of the frame of the building, the stairways, and the floors are of reenforced concrete. A minimum of wood has been employed in the construction. Heating and ventilation are furnished by the blast system which forces warm fresh air into the building and exhausts the foul air.

The Hall is 126 feet long and 58 feet wide. It gives ample accommodation for class rooms, offices, laboratories, library, and study rooms.

The Medical School

The Laboratory Building is situated on Dearborn Street between Twenty-fourth and Twenty-fifth Streets. The building is a five-story structure, 110 feet by 105 feet, of cut stone, brick, and terra cotta. The building contains a large number of laboratories, an amphitheater, the museum; and rooms for lectures, for the medicine and surgery dispensary clinics, for dissections, and for original research.

Davis Hall was erected in the summer of 1893. The building contains the administrative offices, one large and several smaller amphitheaters, suites of rooms for the various departments of medicine, large clinic rooms and research laboratories, the library and reading room. Thirty thousand patients are treated here annually.

The Calumet Avenue Dispensary was erected in 1908 for ambulatory patients. Sixteen clinic rooms insure privacy and thoroughness of examination. In addition to these there are on the main floor a dry room, X-Ray laboratory, a photographic room, with dark-room equipment and office, and a director's room; and on the second floor a large assembly room.

Mercy Hospital is situated on Twenty-Sixth street, extending from Prairie Avenue to Calumet Avenue. It is under the care of the Faculty of the Medical School, and is conducted by the Sisters of Mercy. A large new pavilion has just been erected. The capacity is about four hundred beds. The operating rooms are equipped with every modern facility.

Wesley Hospital stands beside the buildings of the School and is connected with them by a covered corridor. Among the most notable recent additions to the equipment of the Medical School are the operating rooms, wards, and laboratories of Wesley Hospital. The wards and private rooms contain together two hundred twenty-five beds.

The Hospital has four large wards, of twenty beds each, separating the sexes; and medical from surgical patients. There are also eight smaller wards, a Children's Ward and two Babies' Wards. The patients from these wards, both large and small, are available for clinical instruction. Over 4,000 patients were treated last year.

The Law School, The School of Pharmacy, The Dental School, and The School of Commerce

Northwestern University Building, which contains the Law School, the School of Pharmacy, the Dental School and the School of Commerce, is located at the south-east corner of Lake and Dearborn Streets, Chicago. This property was acquired by the University in 1901 at large cost and was remodeled for the use of these departments. The Chicago office of the President and the office of the Business Manager of the University are in this building. The Law School occupies the entire third floor, containing a floor space of twenty-three thousand square feet. The quarters are commodious and handsomely equipped and include two lecture rooms, a court room, an alumni room, an assembly room, and several studies for students; two hundred lockers, the office rooms and rooms for professors. The library and reading-room occupy five thousand square feet of floor space. The assembly room, a place for rest and conversation, is spacious and well equipped.

The School of Pharmacy occupies the whole of the fourth floor. The Dental School occupies the fifth, sixth, and seventh floors.

The situation of these schools, in the heart of Chicago, affords unexcelled advantages.

The School of Music

Music Hall is situated on Willard Hall Campus, a short distance west of the University Campus. It was erected as a home for the School of Music in 1897, and is substantially built of stone and brick, with a tile roof, and is finished in pine. It contains thirty-two rooms besides a well arranged concert hall seating over three hundred. Fourteen of the rooms are used for teaching purposes and the remainder for practice. The Hall is provided with a large stage and a two manual pipe organ with pedals. The School of Music uses for its various purposes thirty-eight pianos, both grands and uprights.

The Preparatory Schools

Fisk Hall, erected in 1898, the gift of Mr. William Deering, is devoted to the Evanston Academy. It was named in honor of Professor Herbert F. Fisk, Principal of the Academy from 1873 until 1904. The building is a three-story Romanesque structure of brick and terra cotta, with stone trim-

mings and a tile roof. It stands at the south end of the campus with a frontage of 180 feet on Sheridan Road. The woodwork is of quartered oak, and the heating, lighting, and ventilating appointments are excellent. A fine three manual Casavant pipe organ is in the chapel, and is used for Chapel purposes by the College and the Academy, as well as for practice purposes by organ students in the School of Music.

Hatfield House, the Academy dormitory for boys, erected in 1890, is situated on the University campus. In 1906, through the generosity of Mr. James A. Patten, of Evanston, it was remodeled as a modern and well-equipped dormitory for twenty-five boys. The rooms are in suites, consisting of a study and two well-lighted bed-rooms with wardrobes.

Grand Prairie Seminary, situated at Onarga, Illinois, has three buildings, an Auditorium seating six hundred persons, a Recitation Hall, and a Dormitory for women. The campus on which these buildings are situated consists of about six acres of beautifully shaded ground.

Elgin Academy has two well constructed buildings, situated in the most elevated portion of the city of Elgin. The main building is a three-story brick structure used for general class-room purposes. Lovell Science Hall was erected in 1888 through the generosity of Mrs. Vincent S. Lovell.

Garrett Biblical Institute

Memorial Hall, a handsome building of pressed brick, was erected on the campus for Garrett Biblical Institute in 1887. It contains the library and lecture rooms of the Institute and a chapel with seating capacity for about five hundred. The chapel windows are adorned with elaborate designs in rich cathedral class, in harmony with the ideal of the hall, which was erected as a memorial to deceased professors of the Institute and of others well known for interest in theological studies. During the summer of 1906 a fire-proof addition was completed for the Library and Archæological Museum, which has been recently endowed.

Heck Hall, a dormitory, was erected in 1867. It is a brick building, five stories in height, heated by steam and lighted by electricity. The rooms are in suites consisting of study, bed-room, and wardrobe.

The School of Oratory

Annie May Swift Hall was erected during the year 1895. The style of architecture is Venetian. The lower part of the building is of rock-faced Lemont limestone, and the upper stories of buff-colored Roman brick and terra cotta. The roof is of red tile. The building is heated by steam and

lighted by electricity. It was named in memory of a deceased daughter of the late Mr. Gustavus F. Swift, of Chicago, a trustee of the University and the largest contributor toward the erection of the building. On the first floor are an auditorium, reading-room, and reception rooms. The second story is divided into fifteen rooms for private instruction.

Libraries

The main library, housed in the Orrington Lunt Library building on the University Campus contains the collection of the College of Liberal Arts, the College of Engineering, and the School of Music, and Evanston Academy. This library is at the service of all members of the University. Persons not connected with the University, desiring to use the library for purposes of study, may be granted library privileges. Additions to the library are made at the rate of about three thousand volumes a year. The library includes special collections known as the Greenleaf Collection and the Schneider Collection.

The Greenleaf Collection, the gift of the late Mr. Luther L. Greenleaf of Evanston, contains 11,246 bound volumes and a large and valuable assortment of unbound dissertations and monographs, chiefly publications of foreign universities and learned societies. It is unusually complete in Greek and Latin classics, every author being represented by the best editions from the earliest to a recent date. It contains also a choice selection of standard works in German, and other Modern languages. In the departments of history, philosophy, theology, and the fine arts, there are many works of unique value.

The Schneider Collection is the German section of the library, added in 1898 through the generosity of German citizens of Chicago, and numbers 2,533 volumes. It includes many first editions of standard authors, original prints from the period of the Reformation, and a large collection of annuals, *Musenalmanache* and *Taschenbücher*, of the eighteenth and nineteenth centuries.

The Library of the Medical School, known as the Alumni Library, has been acquired by purchase, and by donations from students, alumni, and members of the faculty. It contains a large number of reference books and dictionaries, and all of the larger systems of Medicine and Surgery. Each department of instruction in the School is well represented, and all of the more important recent works in the various departments of instruction are added to the Library as they appear.

The Library of the Law School is centrally located in the rooms of the School. The space devoted to it is divided into large alcoves, each containing a table and comfortable chairs. The library is well stocked with reports and necessary works of reference, and is being rapidly increased. Its equipment makes it pre-eminently adapted to work of investigation. A fuller description of this library is given on page 199.

The Library of the School of Music is composed of orchestral scores, orchestral parts, four and eight-hand piano arrangements and chorus music in ample quantities to conduct properly the orchestral, chamber music, ensemble, and chorus classes. The music section of the general library, embracing reference works, general works, and special works on music to the number of 164 volumes is housed in Music Hall, where it is accessible to students of the College of Liberal Arts and of the School of Music.

The Library of Garrett Biblical Institute is in Memorial Hall. It has been collected to meet the needs of theological students, and is well selected and conveniently arranged. A rare collection of Methodist literature, the largest and richest collection in existence, has been given to this library by Mr. William Deering.

STATISTICS

The number of bound volumes and pamphlets in the several libraries of the University, June, 1909, was as follows:

	Bound Volumes	Pamphlets
Northwestern University Library, including the College of Liberal Arts, College of Engineering, Dearborn Observatory, and Evanston Academy	74,247	50,000
The Medical School	5,569	8,609
The Law School	29,500	1,500
The School of Pharmacy	1,490	1,460
The Dental School	2,904	16,000
The School of Music	454	1,776
The School of Commerce	55	100
The School of Oratory	650	
Garrett Biblical Institute	25,671	4,500
Norwegian Danish Theological School	1,000	
Swedish Theological Seminary	500	450
	142,040	84,395

Students residing in Evanston and non-residents by special arrangement, have free use of the Evanston Public Library, containing 45,000 volumes. In Chicago students have access to the Chicago Public Library, 369,247 volumes; the John Crerar Library, 246,353 volumes; the Newberry Library, 250,000 volumes; and the Library of the Chicago Historical Society, 50,000 volumes.

Museums

The Museum of the College of Liberal Arts was for many years the object of special attention on the part of the late Professor Oliver Marcy. It contains several thousand rare and valuable specimens, and is divided into sections as follows: Anthropology, Botany, Geology, Mineralogy, and Zoölogy.

The section of Mineralogy is in the laboratory of Mineralogy and Metallurgy; the other sections, on the fourth floor of University Hall, and in the rooms of the departments of Botany, Geology, and Zoology.

The Anthropology Section comprises about 8,000 specimens in aboriginal archæology, and has been developed largely through the interest of Dr. William A. Phillips of Evanston. Primitive ceramic art in the United States is well represented by several hundred specimens from the mounds of Illinois, Wisconsin, Kentucky, and Missouri. Primitive work in stone and copper is represented by collections from various parts of the United States and from England. During recent years a collection of material from the cliff-dwellings of the pueblos of New Mexico has been added to the Museum.

The Botany Section is made up chiefly of gifts received from alumni and friends of the College and of collections made by students and instructors. It contains about fifteen thousand specimens. It includes collections made by Robert Kennicott from the Red River of the North; by Vasey from the Rocky Mountains; by Thomas and Bentley, and by I. A. Lapham, from Southern Illinois; also collections from New England and New York, the Lake Superior region, and Cook County, Illinois. The Henry H. Babcock Herbarium, donated in 1887 by Mrs. Mary Keyes Babcock, of Kenilworth, is systematically arranged, handsomely provided with substantial cases, and contains specimens from all quarters of the globe, in number about five thousand.

The Geology Section contains typical rocks from this country and Europe. These exhibit the variations in structure and texture of the large groups of sedimentary, metamorphic, and igneous rocks, and also show the rock formations in the geological column from the more ancient to the recent rocks. The series of fossils, of plants, and of animals, are extensive, containing characteristic fossils of the different geologic periods. The collections that are especially valuable are: 1, Cretaceous and Tertiary fossils, the gift of the Smithsonian Institution; 2, fossils and rocks from the Illinois Geographical Survey; 3, Niagara fossils from Chicago and Racine, including type specimens; 4, Illinois Carboniferous flora, largely from Grundy County; 5, miscellaneous specimens from many parts of the world.

The Mineralogy Section contains specimens of most of the mineral and rock species in numbers sufficient to illustrate fully characteristics and occurrence. In addition to the general collection are the Ayers loan-collection; additions from the Columbian Exposition, consisting chiefly of mass specimens and illustrations af economic ores; the Tyler collection, containing many crystals, notably good calcites; and a rare collection of azurites and malachites.

The Zoloögy Section contains: 1, the mammals, birds, reptiles, and batrachians indigenous to Illinois; 2, the mammals and birds of the New South Wales exhibit at the Columbian Exposition, the kangaroos and lemurs, the platypus and the echidna, the emu and the cassowary, the rifle-bird, the

regent, the lyre-bird, and the apteryx from New Zealand—in all four hundred fifty specimens, a very complete presentation of that strange fauna; 3, a series of corals, and a series of birds from the Philippine Islands, including what is thought to be all the species of cuckoos and parrots for that locality; 4, a series of skeletons, prepared by Ward, including the elephant, the whale, the American crocodile, and skeletons of birds and of fishes; 5, about 30,000 miscellaneous specimens, including large animals such as the moose, the buffalo, the Virginia deer, the white bear, and the reindeer; birds from India, Central America, Brazil, British Guiana, Norway, and Russia; a collection of 15,000 marine and fresh-water shells; a large collection of fish donated by the Smithsonian Institution; fish from Lake Michigan, prepared by Dr. William A. Phillips; and a multitude of low forms of marine life, collected by Professor William North Rice, of Middletown, Connecticut.

Owing to lack of room and suitable cases much of the material of the Museum is not now on exhibition, but is stored awaiting a proper building. The main part of the Mineralogy section is on exhibit, and specimens in the other sections especially helpful in teaching are available.

The Museum of the Medical School is arranged on the second floor of the Laboratory Building and contains preparations and specimens illustrative of normal, pathological, and comparative anatomy. The specimens are preserved in natural colors by the Kayserling method and are unusually well adapted for the purposes of instruction.

The Museum of the School of Pharmacy, situated on the fourth floor of the University Building in Chicago, is exceptionally complete in exhibits of drugs, chemicals, preparations, and apparatus.

The Museum of the Dental School includes: 1, specimens to illustrate comparative anatomy, heads with teeth, of fish, reptiles, saurians, and of the several orders of mammals; 2, an exceptionally complete and valuable set of specimens of the human skull, with dissections in a series showing the development of the teeth and the roots from the first appearance to the adult; 3, a large collection of abnormal formations of the human teeth, collected by students, by alumni, and by members of the dental profession.

The Museum of Garrett Biblical Institute—A Museum of Christian Antiquities, endowed in memory of the Reverend Charles W. Bennett, Professor of Church History, is now being installed in Garrett Biblical Institute. Pictorial illustrations of the early Christian Art found in the Catacombs are already on the walls. Various Christian antiquities have been purchased abroad, and as soon as they are in place the Museum will be open to the public.

Miscellaneous Information

Presidents of the University

Clark Titus Hinman, D.D., President, 1853-1854
Henry Sanborn Noyes, A.M., Acting-President, 1854-1856
Randolph Sinks Foster, D.D., LL.D., President, 1856-1860
Henry Sanborn Noyes, A.M., Acting-President, 1860-1867
David Hilton Wheeler, D.D., Acting-President, 1867-1869
Erastus Otis Haven, D.D., LL.D., President, 1869-1872
Charles Henry Fowler, D.D., LL.D., President, 1872-1876
Oliver Marcy, LL.D., Acting-President, 1876-1881
Joseph Cummings, D.D., LL.D., President, 1881-1890
Henry Wade Rogers, LL.D., President, 1890-1900
Daniel Bonbright, A.M., LL.D., Acting-President, 1900-1902
Edmund Janes James, Ph.D., LL.D., President, 1902-1904
Thomas Franklin Holgate, Ph.D., LL.D., Acting-President, 1904-1906
Abram Winegardner Harris, Sc.D., LL.D., President, 1906-

Equipment and Expenditures

The value of buildings and grounds used for educational purposes, including Libraries, Museums, and Sundry Equipments was, June 30, 1909, $3,027,437. The Endowment and Trust Funds, in addition to educational property, were $4,277,774.

The expenditures of the University for educational purposes were for the year 1908-1909:

University General	$128,447.00
College of Liberal Arts	188,242.00
Medical School	86,886.00
Law School	39,943.00
College of Engineering	2,648.00
School of Pharmacy	25,103.00
Dental School	66,382.00
School of Music	43,991.00
School of Commerce	6,708.00
Evanston Academy	32,094.00
Northwestern University Building, Chicago	15,457.00
Willard Hall	25,893.00
Hatfield House	6,147.00
	$667,941.00

The University Guild

The University Guild is an association of women, most of them residents of Evanston, who seek to secure for the University valuable works of art and to cultivate, by means of frequent lectures and discussions, artistic taste in matters of common life. The Guild holds monthly meetings in its rooms in Orrington Lunt Library. The Guild rooms are open to the public every Wednesday afternoon throughout the year.

The Art Collection of the Guild includes a fine collection of pottery and porcelain, including handsome specimens from the most noted foreign and American factories. There are fifteen specimens of Doulton ware, including the famous Lambeth Faience Vase, six feet three inches in height, and two feet six inches in diameter. There are handsome specimens of French bronze and of Venetian, Bohemian and Tiffany glass. The collection also includes several plaster casts presented by the French Government, twenty busts of eminent scholars, Thorwaldsen's Mercury, Venus, Hebe, and the Shepherdess. The nucleus of a choice collection of oil and water color paintings, engravings, etchings, photographs, prints, and of miscellaneous articles has been acquired, to which additions are being made from year to year.

The Guild supports scholarships in the University and in the Art Institute of Chicago, and provides lectures for students. It also maintains a membership in the Municipal Art League of Chicago under which Gallery Tours are conducted through the Art Exhibits. The Guild in 1908 established art courses in the College of Liberal Arts. The instructor is known as the University Guild Lecturer on the Principles of Art. These courses are open to college students and townspeople alike at a nominal fee. See page 117.

Northwestern University Settlement

An association composed of alumni and friends of the University maintains, in Chicago, a social settlement known as the Northwestern University Settlement. The building, at the corner of Augusta and Noble Streets, is held in trust by the University for the use of the Settlement; it is a four-story brick structure, 60 by 78 feet, looking south upon two small gardens and having a space 30 by 78 feet on the north for an auditorium, gymnasium, and baths. On the ground floor are the kindergarten, club rooms for men, and boiler room. The main floor contains the kitchen, coffee house, reception room, office, and library. Five large connected club rooms, one of which is used as the house dining room, and the domestic science room, and the serving room occupy the second floor. The third floor contains rooms for thirteen residents.

The object of the Settlement is the intellectual and social improvement of the neglected city population. The settlement is located on the edge of the large Polish Quarter of the city, and in the heart of the most densely populated district in Chicago. The resident group is composed of men and women engaged in educational, professional, and public service who wish to come into living contact with the people who bear the burden of the industrial world. Opportunity is here offered to undergraduates for philanthropic work and practical acquaintance with sociological problems.

The general expenses of the Settlement are met by membership subscriptions and voluntary contributions.

University Publications

The University publishes the Northwestern University Bulletin, issued weekly during the academic year. In this series are included the General Catalogue of the University, the catalogues and other circulars of the various Schools, several issues of the Alumni News Letter, sent to every alumnus of the University, and other news bulletins to stimulate the interest of the public in the work of the University.

The Northwestern University Dental Journal is issued quarterly, and the Illinois Law Review each month. The first is the organ of the Alumni Association of the Dental School. The Illinois Law Review is controlled by an association composed of alumni, members of the Faculty, students of the Law School, and the practising lawyers of Chicago. The students of the College of Liberal Arts publish a tri-weekly, The Northwestern; a literary periodical, the Northwestern Magazine; and an annual known as the Syllabus. The students of the Evanston Academy publish the Bear; the students of the Grand Prairie Seminary, The Seminary Breeze.

The Fund for the Promotion of International Peace and Christian Unity

On April 1, 1909 Mr. John R. Lindgren donated $25,000 to Northwestern University for the purpose of promoting International Peace and of furthering Interdenominational Harmony and the intimate unity of Christendom.

This is to be accomplished by holding conferences at such times as may be deemed expedient. The conferences are to be opened by an address from some distinguished advocate of International Peace, or Christian Unity, followed by a free discussion of the topics and of the propositions introduced. If it is deemed advisable, prizes may be offered for essays upon topics relating to the purposes of the fund.

The committee consists of Dr. Charles Joseph Little, President of Garrett Biblical Institute; Dr. Abram Wingardner Harris, President of Northwestern University; Mr. John Richard Lindgren, Trustee of North-

western University; Mr. Helge Alexander Haugan*; and Dr. Henry Clay Mabie, Rochester, New York.

Public Lectures and Concerts

The Norman W. Harris Lectures—These lectures, given annually, are endowed by a gift of Mr. Norman Wait Harris of Chicago. In his letter of gift the donor expressed the desire "that the fund should be used to stimulate scientific research of the highest type and to bring the result of such research before the students and friends of the Northwestern University, and through them before the world." The term "scientific research" was used to mean "scholarly investigation in any department of human thought or effort, without limitation to research in the so-called natural sciences, but with a desire that such investigation should be extended to cover the whole field of human knowledge." The lectures given on this foundation are published by the University.

The Fourth Course of Lectures is to be given in February, 1909, by Professor Eduard Meyer, of the University of Berlin, on the subject "Constitutions and Political Theories of Greece."

The Committee on the Norman Harris W. Lectures is: Dr. Abram W. Harris, Dean Thomas F. Holgate, Professor James Taft Hatfield, and Professor Norman Dwight Harris.

Many lectures and evening courses and concerts, open to students and to the general public, are given under the auspices of the University or of its various organizations.

Sermon on the Day of Prayer for Colleges, 1909—The Reverend David G. Downey, D.D., Secretary of the Board of Sunday Schools of the Methodist Episcopal Church.

Baccalaureate Sermon, 1909—The Reverend Henry Stiles Bradley, D.D., Pastor of St. John's Methodist Church, St. Louis.

Commencement Address, 1909—The Honorable Herbert Spencer Hadley, Governor of Missouri.

Annual Address before the Phi Beta Kappa Society, 1909—Dr. Edward Everett Hale, "Pragmatism in Culture."

Lectures before the University Guild—Lectures on art topics are delivered before the members of the University Guild and their friends.

Lectures before the Sigma Xi Society—The Life and Work of Charles Darwin, by Dr. Edwin Grant Conklin of Princeton University; The Research Work of the International Geodetic Association by John Fillmore Hayford.

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*Deceased.

Student Lecture Course—A series of five public lectures and concerts given annually under the auspices of the College Young Men's Christian Association.

Lectures before the Science Club—The Subconscious by Professor George A. Coe; Chat about Darwin, and Physiology of the Human Body by Professor William A. Locy; Evolution of Astronomy by Professor F. R. Moulton; Mushrooms and Toadstools by Professor Charles Beach Atwell; Production of Rubber in Northern Mexico by Professor Theodore Whittelsey; Small Steel Columns under Eccentric Loads, Elongation of Pierced Steel Bars, Cohesion of Steel, Shearing Strength of Cast Iron, by Professor Olin H. Basquin; Notes of the Geology of Montana and the West by Professor George Rogers Mansfield.

A series of five lectures on Sociological Questions delivered before the women of the College of Liberal Arts by Dr. Emma S. Gillmore.

Household and Municipal Sanitation by Mrs. Ellen H. Richards, of the Massachusetts Institute of Technology.

Banking and Currency by George E. Roberts, President of the Commercial National Bank, Chicago.

Business Credits by Edward M. Skinner, President of the Chicago Association of Commerce.

Sicily by Professor William Stearns Davis of Oberlin College.

The Hittites, a Lost Nation by Dr. Edgar J. Banks.

Forest Life by Enos A. Mills, of the United States Department of Forestry.

The College Man in Business by Mr. T. J. Zimmerman, Managing Editor of "System."

The Training of a Roman Boy by Professor Elmer T. Merrill, of the University of Chicago.

Addresses at the Dedication of Swift Hall of Engineering—The Necessity for Better Training for Engineers by Charles Whiting Baker; The New College of Engineering, An Opportunity, by Professor John Fillmore Hayford.

Lectures before the Engineering Club—The Cooper-Hewitt Mercury Vapor Lamp by George C. Keech; Opportunities for Engineering Study at Northwestern by Professor John Fillmore Hayford.

The Artists' Series of Concerts in the School of Music—These concerts are given under the auspices of the School of Music and are open to the public at a small fee. The series for 1909-1910 is as follows: Song Recital by Glenn Hall; Song Recital by Gwillyn Miles; Song Recital by William A. Howland; Organ Recital by Professor George Whitfield Andrews; Four Chamber-Music Recitals by the University String Quartette.

Lectures Delivered at the Medical School—The Evolution of Morality by Professor Winfield Scott Hall; The Future of Medicine by Professor William

A. Evans; The Enforcement of Law by Arthur B. Farwell, President of the Chicago Law and Order League; The Harvard Medical Mission—Our College in China by Dr. Martin R. Edwards of Harvard; A course of six lectures by Professor Winfield Scott Hall given under the auspices of the Y. M. C. A.

Lectures, School of Commerce—Lectures will be delivered by George B. Caldwell, Manager, Bond Department, American Trust and Savings Bank; Frederick Adrian Delano, President, Wabash Railroad Company; Charles W. Folds, Charles Hathaway and Company, Brokers; David R. Forgan, President National City Bank of Chicago; John Henry Gray, Professor of Economics and Political Science, University of Minnesota; C. F. Hulburd, President, Elgin National Watch Company; Joseph French Johnson, Dean of School of Commerce, New York University; John Lee Mahin, President, Mahin Advertising Company; L. Wilbur Messer, General Secretary, Chicago Central Young Men's Christian Association; G. M. Reynolds, President, Continental National Bank of Chicago; George E. Roberts, President, Commercial National Bank and Director of the Mint, 1898-1907; William A. Scott, Director of Course in Commerce, University of Wisconsin; Edward M. Skinner, President Association of Commerce; Towner K. Webster, President, Webster Manufacturing Company; Harry A. Wheeler, Vice-President, Association of Commerce.

Lectures given in Garrett Biblical Institute—Home Missions by Rev. George Elliott, D.D., Field Secretary of the Board of Home Missions, Methodist Episcopal Church, Chicago; A Trip Across Africa by Rev. J. M. Springer, Missionary, Africa; Missionary Problems of India by Rev. Dr. Foreman, Missionary, India; The Missionary Outlook in Korea by Rev. George Heber Jones, Missionary, Korea; The Possibilities of India by Rev. J. C. Butcher, D.D., Missionary, India; Christian Stewardship by Rev. J. W. Duncan, D.D.; Four Lectures on Evangelism by Rev. Herbert Welch, LL.D., President of Ohio Wesleyan University; The Sunday School Organization by Marion Lawrence, General Secretary of the International Sunday School Association; The Sunday School by Rev. D. G. Downey, D.D., General Secretary of the Board of Sunday Schools, Methodist Episcopal Church; The Sunday School Union by Rev. J. E. Blake, Assistant General Secretary, Board of Sunday Schools; The Work of the International Committee by Rev. Franklin Mac Elfresh, D.D., Superintendent of the Department of Teacher Training of the International Sunday School Association.

Fraternities and Sororities

(With Date of Establishment in the University)

Phi Beta Kappa, Illinois Alpha Chapter, 1889
Sigma Xi, Northwestern Chapter, 1906
Alpha Omega Alpha, 1903

COLLEGE OF LIBERAL ARTS

Deru, Senior Fraternity, 1896
Sigma Chi, Omega Chapter, 1869
Phi Kappa Sigma, Upsilon Chapter, 1872
Beta Theta Pi, Rho Chapter, 1873
Phi Kappa Psi, Illinois Alpha Chapter, 1878
Delta Upsilon, Northwestern Chapter, 1880
Phi Delta Theta, Illinois Alpha Chapter, 1858
Delta Tau Delta, Beta Pi Chapter, 1893
Sigma Alpha Epsilon, Illinois Psi-Omega Chapter, 1894
Sigma Nu, Gamma Beta Chapter, 1898
Aleph Teth Nun, 1902
The Wranglers, 1904
The Scribblers, 1908
The Eclectics, 1908
Epsilon Eta, Senior Sorority, 1904
Alpha Phi, Beta Chapter, 1881
Delta Gamma, Sigma Chapter, 1882
Kappa Kappa Gamma, Upsilon Chapter, 1882
Kappa Alpha Theta, Tau Chapter, 1887
Gamma Phi Beta, Epsilon Chapter, 1888
Pi Beta Phi, Illinois Epsilon Chapter, 1894
Delta Delta Delta, Epsilon Chapter, 1895
Chi Omega, Xi Chapter, 1901
Kappa Delta, Lambda Chapter, 1907
Alpha Omicron Pi, Rho Chapter, 1909

THE MEDICAL SCHOOL

Phi Rho Sigma, Alpha Chapter, 1890
Nu Sigma Nu, Zeta Chapter, 1891
Alpha Kappa Kappa, Xi Chapter, 1901
Phi Beta Pi, Theta Chapter, 1902

THE LAW SCHOOL

Order of the Coif, 1906
Delta Sigma Rho, Northwestern Chapter, 1906

Delta Chi, Northwestern Chapter, 1893
Phi Alpha Delta, Melville W. Fuller Chapter, 1898
Alpha Kappa Phi, 1902

THE SCHOOL OF PHARMACY

Phi Chi, Beta Chapter, 1895
Phi Gamma Sigma, Alpha Chapter, 1902

THE DENTAL SCHOOL

Delta Sigma Delta, Eta Chapter, 1891
Psi Omega, Iota Chapter, 1896
Xi Psi Phi, Rho Chapter, 1900

THE SCHOOL OF MUSIC

Alpha Chi Omega, Gamma Chapter, 1890
Sigma Alpha Iota, Beta Chapter, 1904

THE SCHOOL OF ORATORY

Zeta Phi Eta, 1893
Omega Upsilon, 1904

College of Liberal Arts

THE College of Liberal Arts, the first school of the University to be organized, was opened to students on November 5, 1855. The courses of study are designed to afford a broad and liberal culture without direct reference to a professional career though forming a valuable preparation for it and for the highest effectiveness in business and administrative occupations. The curriculum leads to the degree of Bachelor of Arts or Bachelor of Science. Graduate courses are offered in advance of those open to the ordinary undergraduate and lead to the degrees of Master of Arts, Master of Science, and Doctor of Philosophy.

The site of the College of Liberal Arts is Evanston, next to Chicago, twelve miles north from the business center. The University charter contains a prohibition of saloons within four miles of the campus and the law is enforced. The city is situated on Lake Michigan, is distinguished for its wealth, its beauty, and public spirit, and possesses the academic charm that makes it an ideal college town.

The campus extends for three-quarters of a mile along the shore of the lake, and is bordered by Sheridan Road on the west. On the main campus, besides the College of Liberal Arts, are the College of Engineering, the University Library, Garrett Biblical Institute, Evanston Academy, the old and new gymnasiums, and the United States Life Saving Station. Willard Hall campus contains the School of Music and the women's dormitories.

The College is fortunate in its environment. Students have access to churches, lectures, and concerts in Evanston and Chicago that supplement in a broad and stimulating way the instruction of the class room.

The educational aim of the College is not to deal with students in the mass, but to bring student and instructor together into intellectual association and co-operation, and to provide such facilities for the student as will enable him to make the most of his time and energy. In numbers, the College ranks among the larger ones of the country, but it cherishes the responsibility of the faculty to the individual student.

Combined courses of study permit the prospective student of medicine, law, or theology to save a year in the attainment of his professional degree.

Abram Winegardner Harris, Sc.D., LL.D.
President

Daniel Bonbright, A.M., LL.D.
Dean Emeritus

Thomas Franklin Holgate, Ph.D., LL.D.
Dean of the College

Daniel Bonbright, A.M., LL.D.
John Evans Professor of Latin Language and Literature

Herbert Franklin Fisk, D.D., LL.D.
Professor of Education

Robert McLean Cumnock, A.M., L.H.D.
Professor of Rhetoric and Elocution

Abram Van Epps Young, Ph.B.
Professor of Chemistry

James Taft Hatfield, Ph.D.
Professor of German Language and Literature

Charles Beach Atwell, Ph.M.
Professor of Botany

Henry Crew, Ph.D.
Fayerweather Professor of Physics

J. Scott Clark, A.M., Litt.D.
Professor of English Language

Peter Christian Lutkin, Mus.D.
Professor of Organ, Theory, and Composition

George Albert Coe, Ph.D., LL.D.
Honorary Professor of the Philosophy and Psychology of Religion

Thomas Franklin Holgate, Ph.D., LL.D.
Henry S. Noyes Professor of Mathematics

William Albert Locy, Ph.D., Sc.D.
Professor of Zoölogy

George Oliver Curme, A.M., Litt.D.
Professor of Germanic Philology

James Alton James, Ph.D.
Professor of History

Edouard Paul Baillot, L.H.D.
Professor of Romance Languages

Amos Williams Patten, A.M., D.D.
Professor of Biblical Instruction

Ulysses Sherman Grant, Ph.D.
William Deering Professor of Geology

John Adams Scott, Ph.D.
Professor of Greek Language and Literature; Secretary of the Faculty

Arthur Herbert Wilde, Ph.D.
Professor of History

Arthur Charles Lewis Brown, Ph.D.
Professor of English Literature

Norman Dwight Harris, Ph.D.
Professor of European Diplomatic History

Walter Dill Scott, Ph.D.
Professor of Psychology

Mary Ross Potter, A.M.
Dean of Women

Willard Eugene Hotchkiss, Ph.D.
Professor of Economics

David Raymond Curtiss, Ph.D.
Professor of Mathematics

Lewis Oscar Gillesby
Professor of Physical Culture and Director of Athletics

Philip Fox, M.S.
Professor of Astronomy and Director of Dearborn Observatory

Curtis Hidden Page, Ph.D.
Professor of English Literature

Omera Floyd Long, Ph.D.
Associate Professor of Latin

Walter Lichtenstein, Ph.D.
Librarian; Registrar

Robert Richardson Tatnall, Ph.D.
Associate Professor of Physics

Walter Libby, Ph.D.
Assistant Professor of Education

Earl Dean Howard, Ph.D.
Assistant Professor of Economics

Murray Arnold Hines, Ph.D.
Assistant Professor of Chemistry

Georg Edward
Assistant Professor of German

Roy Caston Flickinger, Ph.D.
Assistant Professor of Greek

Bernard Capen Ewer, Ph.D.
Assistant Professor of Philosophy

George Rogers Mansfield, Ph.D.
Assistant Professor of Geology

Robert Edward Wilson, Ph.M.
Assistant Professor of Mathematics

Eugene Howard Harper, Ph.D.
Assistant Professor of Zoölogy

Alphonso de Salvio, Ph.D.
Assistant Professor of Romance Languages

James Caddall Morehead, Ph.D.
Assistant Professor of Mathematics

Frederick Shipp Deibler, Ph.D.
Assistant Professor of Economics

Arthur Guy Terry, Ph.D.
Assistant Professor of History

Andrew Runni Anderson, Ph.D.
Assistant Professor of Latin

Murray Shipley Wildman, Ph.D.
Assistant Professor of Economics in the School of Commerce

Axel Louis Elmquist, A.M.
Instructor in Scandinavian Languages

Frank Adolf Bernstorff, A.B.
Instructor in German

George Wiley Sherburn, A.M.
Instructor in English Language

William Hawes Coghill, E.M.
Instructor in Mining and Metallurgy

Walter Edward Roloff, A.M.
Instructor in German

David Harrison Stevens, A.B.
Instructor in English Language

Edgar White Burrill, A.B.
Instructor in English Language

Robert Lee Moore, Ph.D.
Instructor in Mathematics

Franklyn Bliss Snyder, Ph.D.
Instructor in English Literature

Marquis Franklin Horr, LL.B.
Instructor in Physical Training

Robert Harvey Gault, Ph.D.
Instructor in Psychology

Charles Searing Mead, Ph.D.
Instructor in Zoölogy

Leigh Pennington, Ph.D.
Instructor in Botany

Horace Craig Longwell, Ph.D.
Instructor in Philosophy

Arnold Bennett Hall, Ph.D.
Instructor in Public Law and Politics

Winford Lee Lewis, Ph.D.
Instructor in Chemistry

James Lawrence Lardner, B.S.
Instructor in Elocution

Foster Erwin Guyer, A.M.
Instructor in French

William Vipond Pooley, Ph.D.
Instructor in History

Arthur Gibbon Bovee, Ph.B.
Instructor in French

Gretchen Huegin
Instructor in Physical Training

Clyde Orlando Marietta, A.B.
Instructor in Mathematics

Ralph Emerson Riley
Instructor in Physical Training

Stella Skinner
University Guild Lecturer on the Principles of Art

Charles Joseph Kurtz, A.M., M.D.
Demonstrator in Anatomy

Daniel Franklin Higgins, M.S.
Assistant in Geology

Isaac Merton Cochran, A.M.
Coach in Debating

Charles Wesley Darwin Parsons, A.M.
Assistant in Physics

Lowell Leslie Townsend, A.B.
Reader in English Literature

Thomas Henry Robinson
Assistant in Physical Culture

Roy Wallace Albertson
Assistant in Physical Culture

Sara Frances Bragdon, A.B.
Assistant in French

Leslie Hall Redelings, B.S.
Assistant in Vertebrate Anatomy

Esther Lucy White, B.S.
Assistant in Zoölogy

Eli Victor Smith, A.M.
Fellow and Assistant in Zoölogy

LIBRARY STAFF

Walter Lichtenstein, Ph.D.
Librarian

Adaline Maitland Baker, B.L.S
Head Cataloguer

Eleanor Frances Lewis, A.B.
Head of Circulating Department

Eleanor Worthington Falley, B.S.
Ordering Department

Sadie Abia Thompson, Ph.B.
Circulating Department

Grace Estelle Lasher, A.B.
Cataloguer

Lillian Antonia Anderson, A.B.
Circulating Department

Kathryn Allegra Kletzing, A.B.
Circulating Department

Agnes Lockwood Mowbray
Stenographer

Standing Committees of the Faculty

Administration—Professors Holgate, Bonbright, Young, Hatfield, Atwell, Crew, Clark, Locy, James, Baillot, Grant, J. A. Scott, Miss Potter.

Board of Examiners—Professors Long, Hatfield, Howard, Hines, de Salvio, Terry, Dr. Moore, Dr. Snyder, Dr. Lewis, Mr. Marietta.

Undergraduate Study—Professors Young, Hatfield, Grant, Harris, Curtiss, Long.

Advanced Standing—Professors Grant, Page, Morehead.

Graduate Study—Professors Locy, James, J. A. Scott, Brown, Curtiss, Fox, Ewer.

Admission Requirements—Professors Brown, Curme, Libby, Harper, Morehead, Mr. Elmquist, Mr. Coghill, Dr. Pennington, Mr. Guyer.

Delinquent Students—Professors Curtiss, Harris, W. D. Scott, Flickinger, Mr. Bernstorff.

Registration and Special Students—Professor Ewer, Dr. Lichtenstein, Professors Tatnall, Wilson, Anderson.

Accredited Schools—Professors Libby, Atwell, Clark, W. D. Scott, Dr. Longwell.

Library—Professors Bonbright, Young, Hatfield, Crew, Locy, James, Brown, Lichtenstein.

Chapel and Religious Organizations—Professors Patten, Flickinger, Ewer, Mr. Gates, Miss Fox.

Fellowships and Scholarships—Professors James, Crew, Baillot, Grant, Hotchkiss, Long.

Loan Funds—Professors Fisk, Atwell, Patten, Gillesby.

Musical Organizations—Professors Deibler, Edward, Dr. Gault, Dr. Mead, Dr. Pooley.

Social Life of Students—Professors Clark, James, Patten, J. A. Scott, Lutkin, Miss Potter.

Gymnasium and Physical Training—Professors Wilson, Gillesby, Fox, Deibler, Miss Huegin.

Residences for Women—Professors W. D. Scott, Mansfield, Miss Potter, Miss Skinner.

Appointments—Professors Atwell, Baillot, Wilson.

Intercollegiate Debate and Oratory—Professors Harris, Hotchkiss, Mr. Burrill, Dr. Hall.

Health of Students—Professors Holgate, Gillesby, Miss Potter, Mr. Roloff, Miss Huegin.

Student Enterprises—Professors Holgate, Hotchkiss, Howard, Terry, Mr. Sherburn.

Rhodes Scholarships—Professors J. A. Scott, Anderson, Dr. Longwell.

Honors—Professors Crew, Page, Mr. Elmquist.

Residences for Men—Professors Hatfield, Fox, Mansfield.

Interscholastic Declamations—Professor Flickinger, Mr. Stevens, Mr. Burrill, Mr. Lardner, Mr. Bovee.

Lower Class Advisers—Professors Atwell, Grant, Miss Potter, Professor Curtiss, Dr. Lichtenstein, Professors Tatnall, Hines, Flickinger, Ewer, Wilson, de Salvio, Deibler, Terry, Mr. Sherburn, Dr. Gault, Dr. Pennington.

Requirements for Admission

Candidates for admission to the College of Liberal Arts must be at least sixteen years of age, and must present certificates of scholarship from the institutions which they last attended, showing in detail the studies pursued in preparation for college, and bearing the recommendation of the principal for admission to this College.

Blank forms for certificates may be had on application to the Registrar, and should be returned to him, properly filled out, at least one week before the opening of the college year.

EXAMINATIONS FOR ADMISSION

The regular examinations for admission to the College of Liberal Arts are held on the first Monday and Tuesday of the college year. The dates for the year 1910 are September 19 and 20. Candidates may be examined and admitted at other times if prepared to enter classes at an advanced point in the regular courses, but they are advised to enter at the beginning of the college year.

The Board of Examiners will accept, in lieu of its own examinations, those conducted by the College Entrance Examination Board. This Board holds examinations in June in Northwestern University Building, Chicago.

ADMISSION BY CERTIFICATE

Students from an accredited academy or high school may be admitted to college on certificate without examination, provided they present themselves for admission not later than a year and three months after graduation. In case the preparation of a student admitted on certificate is found in the first semester to be unsatisfactory, he will be required to complete his preparation in a fitting-school or in such other way as may be determined.

PRELIMINARY EDUCATION

Either by examination or by certificate, candidates for admission must give evidence of preparation in fifteen units of high school work chosen from the schedule below. These must include three units of English; one and a half units of algebra; one unit of plane geometry; one unit of history, preferably ancient history; one unit of science, preferably physics; and four units of foreign languages.

The unit is a course of study requiring a daily recitation on a prepared subject for a full school year, and covering the subject matter described in the paragraphs below. Two hours of laboratory work are counted as the equivalent of one hour of prepared work.

A candidate may be admitted to college as a regular student with not more than one unit of condition, but all entrance conditions must be made up during the first year of residence.

In special cases, where a candidate is not able to meet the requirements relating to specific subjects, but can present the full equivalent of the total requirement, he may by a vote of the Faculty or of the Board of Examiners be admitted as a regular student; but this provision will not release a candidate from any of the studies specified for admission or required for a degree.

ADMISSION SUBJECTS

The subjects which may be presented for entrance credit are shown in the following table and are described under the various group headings below. The Board of Examiners may at their discretion accept credit in other subjects, provided the work has been done in a manner approved both as to quality and quantity.

English	3 units	Botany	1 unit
Algebra	1½ units	Zoölogy	1 unit
Plane Geometry	1 unit	Botany and Zoölogy	1 unit
Greek	2 or 3 units	Chemistry	1 unit
Latin	2 to 4 units	Ancient History	1 unit
French	2 or 3 units	Mediaeval and Modern European History	1 unit
German	2 to 4 units	English History	½ or 1 unit
Spanish	2 units	American History	½ or 1 unit
Advanced Algebra	½ unit	Civil Government	½ unit
Plane Trigonometry	½ unit	Political Economy	½ or 1 unit
Solid Geometry	½ unit	Manual Training	1 unit
Physiography	½ or 1 unit		
Physics	1 unit		

GROUP A

The subjects in this group are required of all candidates.

1. *English*—The character and amount of preparation required is indicated in the program which follows, but the arrangement of the work is

not prescribed. It is expected that the English work will be distributed over four years of the secondary school course. *Three units.*

(*a*) *Language*—Spelling, punctuation, grammar, paragraphing, the fundamental principles of rhetoric, reading, practice in writing compositions based on the student's personal experience. At least eight exercises of not less than three hundred words each are required. Descriptions of scenes or objects actually witnessed by the writers, narrations based on personal experiences, and arguments on specific questions will be accepted.

(*b*) *Literature*—The following books are to be read. The student should acquire a knowledge of the subject-matter and of the main facts in the lives of the authors, and should practice writing short compositions on subjects drawn from the reading. 1910-1911:—

I. Two to be selected from: Shakespeare's As You Like It, Henry V, Julius Caesar, The Merchant of Venice, Twelfth Night.

II. One to be selected from: Bacon's Essays; Bunyan's The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers in the Spectator; Franklin's Autobiography.

III. One to be selected from: Chaucer's Prologue; Selections from Spenser's Faerie Queen; Pope's The Rape of the Lock; Goldsmith's The Deserted Village; Palgrave's Golden Treasury, First Series, Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns.

IV. Two to be selected from: Goldsmith's The Vicar of Wakefield; Scott's Ivanhoe and Quentin Durward; Hawthorne's The House of the Seven Gables; Thackeray's Henry Esmond; Mrs Gaskell's Cranford; Dickens' A Tale of Two Cities; George Eliot's Silas Marner; Blackmore's Lorna Doone.

V. Two to be selected from Irving's Sketch Book; Irving's Life of Goldsmith; Lamb's Essays of Elia; DeQuincey's Joan of Arc and The English Mail Coach; Carlyle's Heroes and Hero Worship; Emerson's Essays; Ruskin's Sesame and Lilies.

VI. Two to be selected from: Coleridge's The Ancient Mariner; Scott's The Lady of the Lake; Byron's Mazeppa and the Prisoner of Chillon; Palgrave's Golden Treasury, First Series, Book IV, with special attention to Wordsworth, Keats, and Shelley; Macaulay's Lays of Ancient Rome; Poe's Poems; Lowell's The Vision of Sir Launfal; Arnold's Sohrab and Rustum; Longfellow's The Courtship of Miles Standish; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

(*c*) *Literature*—The student is expected to make a thorough study of each of the works named below, accompanied by practice in composition. 1910-1911:—

Shakespeare's Macbeth or Julius Cæsar; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America or Washington's Farewell Address and Webster's first Bunker Hill oration; Macaulay's Life of Johnson or Macaulay's Essay on Milton, or Carlyle's Essay on Burns.

2. *Mathematics*—It is recommended that the work in Mathematics be extended over at least three years of the high school course, and especially that work be given in this subject in the last year. A good arrangement is as follows: first year, five hours a week, algebra; second year, five hours a week, plane geometry; fourth year, five hours a week for the first half-year, solid geometry; second half-year, algebra.

(*a*) *Algebra*—Factoring, common divisors and multiples, fractions, simple equations of one or more unknown quantities, involution, evolution theory of exponents, and radicals. Special attention should be given to the statement of problems in the form of equations. *One unit.*

(*b*) *Algebra*—A review of the previous work and a thorough study of radicals, equations involving radicals, quadratic equations with one or two unknown quantities, and equations solved as quadratics. *One half unit.*

(*c*) *Plane Geometry*—A course equivalent to that contained in Holgate's Geometry, with the solution of a large number of exercises and numerical problems. *One unit.*

3. *History*—The requirement is one unit of history, preferably Ancient History, No. 27. If a candidate cannot present a year of Ancient History, he may substitute for it a full unit of History chosen from Nos. 28, 29, and 30, or a unit of General History.

4. *Science*—One unit of Science, preferably Physics, No. 23, is required of all applicants. A candidate who cannot present a unit of Physics, may substitute for it a unit of Biology, No. 24 or 25, or a unit of Chemistry, No. 26, or a full unit of Physiography, No. 22.

GROUP B

Foreign Languages—Candidates must present four units of Foreign Languages and are advised to present at least two units of credit in Latin. A single unit of a foreign language will be accepted for entrance credit only on condition that the study of that language be continued through a second year.

6. *Greek* (*a*)—Grammar, White's First Greek Book, or an equivalent. *One unit.*

7. *Greek* (*b*)—Xenophon's Anabasis, Books I, II, and III; Jones' Greek Prose Composition, or an equivalent, thirty lessons. *One unit.*

8. *Greek* (*c*)—Anabasis Book IV; Prose Composition, lessons thirty to forty; Homer, Iliad, or Odyssey, 1,800 lines. *One unit.*

9. *Latin* (*a*)—Grammar; Cæsar's Gallic War, ten pages, or twenty pages of Viri Romæ, with retranslation of English into Latin. *One unit.*

10. *Latin* (*b*)—Cæsar's Gallic War, four Books, completed; Latin Composition. *One unit.*

11. *Latin* (*c*)—Cicero, six orations, including the Manilian Law; Latin Composition. *One unit.*

12. *Latin* (*d*)—Virgil, six books of the Aeneid. It is desired that the student's acquaintance with Virgil be not limited to the requirement. By private reading, and by sight reading in class, the Bucolics and a considerable portion of the Aeneid may with advantage be added to the amount prescribed. *One unit.*

13. *French* (*a*)—Correct pronunciation; elementary grammar, with exercises, including the irregular verbs; the reading of from one hundred and fifty to two hundred pages of easy French prose. *One unit.*

14. *French* (*b*)—Elementary grammar completed; easy composition, based on one of the works read; the reading of two hundred and fifty to three hundred pages of French prose. *One unit.*

15. *French* (*c*)—Study of the difficulties of French syntax and idioms; translation into French from text-book and easy original compositions; the reading of not less than six hundred pages of at least five standard authors; ability to take grammatical dictations and to understand and answer questions in French. *One unit.*

16. *German* (*a*)—Pronunciation; the memorizing of easy colloquial sentences; the rudiments of grammar, inflection of the articles, ordinary nouns, adjectives, pronouns, weak verbs, and the more usual strong verbs; the use of the more common prepositions; the simpler uses of modal auxiliaries and the elementary rules of syntax and word-order; abundant easy exercises; the reading of from seventy-five to one hundred pages of graduated texts. *One unit.*

17. *German* (*b*)—The reading of from one hundred and fifty to two hundred pages of literature in the form of easy stories and plays; translation into German of matter based on works read; continued drill upon rudiments of grammar. *One unit.*

18. I. *German* (*c*)—The reading of about four hundred pages of moderately difficult prose and poetry; retranslation into German; grammatical drill on the less usual strong verbs; the use of articles, cases, auxiliaries, tenses and modes, word-order and word-formation. *One unit.*

18. II. *German* (*d*)—The reading of about five hundred pages of good literature in prose and poetry; reference reading upon the lives of the great writers studied; writing in German of numerous short themes on assigned subjects; independent translation of English into German. *One unit.*

19. *Spanish* (*a*)—Correct pronunciation; the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs; sufficient translation from English into Spanish to illustrate the prin-

ciples of grammar; the reading of from one hundred and fifty to two hundred duo-decimo pages of graduated texts. *One unit.*

20. *Spanish* (*b*)—Continued study of grammar and syntax; mastery of the irregular verbs and the use of modes and tenses; advanced composition; the reading of from three hundred to four hundred pages of modern prose from different authors illustrating the tendencies of modern Spanish literature; a unified knowledge of Spanish literature of the nineteenth century. *One unit.*

GROUP C

The following subjects may be presented for elective credit to complete the requirement of fifteen units.

21. *Mathematics* (*a*)—Algebra, including ratio and proportion, variation, progressions, permutations and combinations, binomial theorem, logarithms and their application to interest and annuities, introduction to determinants, theory of equations and series. *One-half unit.*

(*b*) *Plane Trigonometry*, including the solution of oblique triangles. Consistent employment of ratio definitions of the trigonometric functions and ability to verify numerical computations are expected. *One-half unit.*

(*c*) *Solid Geometry*, a course equivalent to that contained in Holgate's Elementary Geometry, including numerous exercises and problems. *One-half unit.*

22. *Physiography*—The earth as a planet, the atmosphere, the climate, the ocean, and the land. Emphasis should be placed especially on the topographic features of the land, their origin and significance. Some recent text-book should form the basis for the course, and it should be supplemented by laboratory work. *One-half unit* or *one unit.*

23. *Physics*—A course equivalent to that contained in Millikan and Gale's First Course in Physics. The candidate must present evidence of familiarity with the general principles of physical science, especially the simpler principles and phenomena which are constantly illustrated in daily life, such as the pendulum, hydrostatics, water waves, pitch and intensity of sound, heat conduction, boiling, freezing, simple lenses, mirrors, prisms, magnets, lines of force, voltaic cells, galvanometers. It is also required that a course of laboratory work shall have been pursued in connection with the text-book, equivalent to at least forty exercises from Crew and Tatnall's Laboratory Manual of Physics, and that accurate notes descriptive of the experiments shall have been kept. *One unit.*

24. *Botany*—The study of plants as living organisms, with special regard to function, structure, and relation to environment. Each recitation or quiz period should be preceded by two hours of laboratory work. Atkinson's Lessons in Botany and Bergen's Foundations of Botany are satisfactory texts. Each pupil should perform the experiments and demonstrations for himself and should keep a neat and accurate notebook showing

the work done and the conclusions reached. *One unit, or a half-unit if accompanied by a half-unit of Zoölogy.*

25. *Zoölogy*—The study for one year of animal structure, habits, and general life history by the laboratory method under a competent teacher will be accepted as a full unit of credit. Linville and Kelley's Text-Book on General Zoölogy, Kellogg's Elementary Zoölogy, and Animal Studies by Jordan, Kellogg, and Heath are among the text-books approved. Emphasis should be placed on training in observation, in accuracy in drawing, and expression in the note-books. *One unit, or a half-unit if accompanied by a half-unit of Botany.*

26. *Chemistry*—Laboratory work should be made an essential feature of the study, and may well take one-half of the total time assignment. Careful and systematic notes of his individual work should be made by the student. Quantitative experiments are recommended both for training and in order to illustrate the fundamental laws. Purely descriptive work should be limited to comparatively few elements and compounds. *One unit.*

27. *Ancient History*—A study of the history of Greece and Rome. West's Ancient History, or Botsford's Greece and Rome, or an equivalent, with supplementary reading. *One unit.*

28. *Mediaeval and Modern European History*—Myers' Mediæval and Modern History, or an equivalent, with supplementary reading. *One unit.*

29. *English History*—A study of the political and constitutional development of England. Larned's English History or an equivalent. *One unit,* or *one-half unit.*

30. *American History*—Channing's Students' History of the United States, or an equivalent. *One unit,* or *one-half unit.*

31. *Civil Government*—James and Sanford's Government in State and Nation, or an equivalent. *One half-unit.*

32. *Political Economy*—Thurston's Economics and Industrial History, or an equivalent. *One unit* or *one-half unit.*

33. *Manual Training*—Joinery, wood-turning, pattern making, forging, welding, and tempering. Woodward's The Manual Training School describes the usual exercises. If a laboratory manual is not used the student should write up each exercise carefully, as in other laboratory work. *One unit. This work will require at least five hours a week in the shop through two years.*

ADMISSION AS SPECIAL STUDENTS

On the recommendation of the Committee on Registration and Special Students, persons of serious purpose and mature years may be admitted to college as special students to pursue selected studies. Applications for such admission must be accompanied by evidence of qualification to carry on the proposed work to advantage, but no persons will be so admitted for courses which might be pursued in a secondary school. In general, special students are expected to meet the full entrance requirements.

ADMISSION TO ADVANCED STANDING

Students from other colleges seeking admission to this college must present evidence of honorable dismissal from the institution last attended and must present certificates showing the grades of credit for the subjects pursued elsewhere, with the number of weeks and the number of hours a week the respective studies were followed. Students from other colleges must meet the entrance requirements to this College. The amount of advanced credit to be obtained by certificate from another institution is determined by a committee of the Faculty, and is finally adjusted only after the student has been in residence in this college for one semester. Advanced credit without examination will be given only for work done in an approved college. Claims for advanced credit must be made during the first year of residence and not later than September of the collegiate year in which the candidate expects to graduate.

ACCREDITED SCHOOLS

High schools and academies are placed on the accredited list of the University by action of the Faculty, upon the recommendation of the Committee on Accredited Schools. This relation implies that the certificates of the school properly attested will be accepted at their face value toward meeting the requirements for admission. Graduation from an accredited school is not in itself sufficient evidence of qualification for admission.

Superintendents or principals desiring to have their schools placed on the Accredited list should make application to the Chairman of the Committee on Accredited Schools, who will provide for a proper inspection. The letter of application should give the names of all teachers, with a statement of their preparation and of their experience as teachers; a careful statement of the methods pursued in teaching mathematics, languages, and sciences; the amount and kind of scientific apparatus and the library facilities accessible to students. The letter should be accompanied by the latest printed catalogue or annual report of the school, containing an outline of the course of study and a list of the text-books used.

The schools which are placed on the accredited list will continue to be accredited for three years, unless the Faculty within this period becomes satisfied that changes have occurred making further inspection desirable.

Undergraduate Studies

The courses of study offered in the College of Liberal Arts are listed under the several department headings beginning on page 81 These are for the most part elective, but certain courses shown in the schedules below are required of all candidates for a degree.

The credit assigned to a course is expressed in hours, an hour of credit being given for the satisfactory completion of work requiring one class exercise a week for one semester. As a condition of graduation, a student must complete one hundred and twenty semester hours of work, including the prescribed courses,—this being the equivalent of fifteen class exercises a week for four years.

In making up his program of studies for any year the student must give precedence to prescribed courses and in the order in which they are designated in the schedules. Except by special permission of the Committee on Registration, he must take in addition to the prescribed courses for which he is due, elective work sufficient to make a total of fifteen class exercises a week.

COURSES FOR FIRST YEAR STUDENTS

In their first year of residence students are required to register for English Language, Mathematics, one foreign language, and a second foreign language or a science. Elective studies, if any, must be confined to the following list of courses, with the provision, however, that a student properly qualified may enter a more advanced course in one of the departments listed:

Biblical Literature A
Botany A
Chemistry A
Elocution A
English Language A
French AA, AB, and A
Geology A2
German AA, AB, and A
Greek AA, AB, and A
History A, E, and H
Latin A
Mathematics A1, A2, A3, and A4
Physical Culture A
Physics A
Zoölogy A

First year students are required to take physical training three hours a week under the supervision of the department of Physical Culture.

SCHEDULE OF REQUIRED STUDIES

Prescribed Courses for the Degree of Bachelor of Arts.

I.	Mathematics A1 (see note below),	3 hours	1st year
II.	English Language A,	3 hours	1st year
III.	Two of the following, of which one must be chosen from the first two named: Latin A, Greek A, French A, German A,....each [Note—If French or German is chosen, at least one course as advanced as Course A must be taken in college.]	3 hours	1st year
IV.	English Literature A,	2 hours	2nd year
V.	One of the following: Physics A, Chemistry A, Zoölogy A, Botany A, Geology A1, A2, or B3,	4 hours	2nd or 3rd year
VI.	One of the following: History A, E, H, or BC, Economics A, Philosophy A1, Psychology A1 and A2,	3 hours	2nd or 3rd year

Note—Mathematics A3, 5 hours, or an additional ancient language in Sect. III, or a second science in Sect. V, may be substituted for Mathematics A1.

Prescribed Courses for the Degree of Bachelor of Science.

I.	Mathematics A1, [Note—Mathematics A3, five hours, may be substituted for this course.]	3 hours	1st year
II.	English Language A,	3 hours	1st year
III.	French A and German A (see note below), each	3 hours	1st or 2nd year
IV.	English Literature A,	2 hours	2nd year
V.	Two of the following, of which one must be chosen from the first three named: Physics A, Chemistry A, Zoölogy A, Botany A, Geology A1, A2, or B3.....each	4 hours	1st, 2nd, or 3rd year
VI.	One of the following: History A, E, H, or BC, Economics A, Philosophy A1, Psychology A1 and A2,	3 hours	2nd or 3rd year

Note—If a candidate has presented for admission to college three units of Latin or three units of Greek, either French or German may be omitted from this schedule, but in any case one course as advanced as Course A in either French or German, must be taken in college.

MAJOR AND MINOR STUDIES

The prescribed courses shown in the schedules on the preceding page are designed to secure to the student breadth of culture and to bring him into contact with the main divisions of modern study. To prevent him from scattering his energies unduly, on the other hand, and to ensure a fair degree of continuity in at least one department, and to a less degree also in a second, the student is required at a date not later than the beginning of the third year of residence, to announce a department in which he proposes to do major work, and a department in which he will do minor work. The courses constituting a major and a minor in the several departments are listed in the subjoined table, and are also stated under the department headings in the descriptions of courses.

Students are advised to give careful thought to the plan of their elective work and to the selection of their major subject as early as the beginning of the second year.

SCHEDULE OF MAJORS AND MINORS

Biblical Literature—MAJOR: Course A and seven additional year-hours including Course E. MINOR: Course A, and four additional year-hours.

Botany—MAJOR: Course A and six additional year-hours, including Course C or Course D. MINOR: Course A and three additional year-hours.

Chemistry—MAJOR: Courses A, B, and C. MINOR: Courses A and B.

Economics—MAJOR: Course A and seven additional year-hours, which must include at least two year-hours more advanced than the courses of the B-group. MINOR: Course A and three additional year-hours.

Education—MAJOR: Course A, or Course J, or Courses B and C, and seven additional year-hours, which must include Course K and either Course D or Course G. MINOR: Course A, or Course J, or Courses B and C, and three additional year-hours not taken concurrently with these.

English Language—MAJOR: Courses A and B, and six additional year-hours, which must include one of the Courses C, D, or H, and may include English Literature D. MINOR: Courses A and B and two additional year-hours.

English Literature—MAJOR: Course A and nine additional year-hours, which must include Course C or D, and may include English Language D. MINOR: Course A and four additional year-hours, of which not more than two year-hours may be taken concurrently with Course A.

Geology—MAJOR: Course A1 or A2 and six additional year-hours, which must include one of the C-Courses. MINOR: Course A1 or A2, or B3, and two additional year-hours not taken concurrently with these courses.

German Language and Literature—MAJOR: Courses A and B, and six additional year-hours, which must include Course D. MINOR: Courses A and B.

Greek Language and Literature—MAJOR: Courses A and B, and five additional year-hours, MINOR: Courses A and B.

History—MAJOR: Course A, E, or H, and seven additional year-hours, which must include Course K, S, or S1. MINOR: Course A, E or H, and three additional year-hours, not taken concurrently with A, E, or H.

Latin Language and Literature—MAJOR: Courses A, B, J, C or D, and E or F. MINOR: Courses A and B.

Mathematics—MAJOR: Courses A1 and A2 (or Course A3), B1, and six additional year-hours, which must include at least one C-course. MINOR: Courses A1 and A2, (or Course A3) and either B1 or B2.

Philosophy—MAJOR: Course A1 (or Psychology A1 and Philosophy A2), and seven additional year-hours, which must include Course C1. MINOR: Course A1, (or Psychology A1 and Philosophy A2), and three additional year-hours.

Physics—MAJOR: Courses A, B, and C. MINOR: Courses A and B.

Psychology—MAJOR: Ten-year hours including Course C1. MINOR: Courses A1 and A2 (or Philosophy A2), and three additional year-hours.

Romance Languages—MAJOR: Courses A and B in French, and six additional year-hours, which must include at least two year-hours in French more advanced than Course B. MINOR: Courses A and B in French.

Scandinavian Languages—MINOR: Six year-hours more advanced than Course AA.

Semitic Languages—MINOR: Courses A and B.

Zoölogy—MAJOR: Course A and six additional year-hours. MINOR: Course A and two additional year-hours not taken concurrently with Course A.

FACULTY ADVISERS

Each undergraduate student on entering College is assigned to a member of the Faculty who is to act as his adviser and give him helpful counsel relating to his college life. At the beginning of the third year when the student makes choice of the department in which he will do major work, the instructor under whom he takes his principal courses becomes his adviser and should be consulted freely on all matters relating to subsequent registrations. The student is required to submit his choice of studies for each year to his adviser and obtain approval of the same before completing his registration; all changes in registration during the year must likewise receive the adviser's approval.

COURSES OF INSTRUCTION

The following pages give the list of courses offered in the College of Liberal Arts for the year 1909-1910. For completeness, courses offered in alternate years are included, with a note to indicate in which years they are given. The general regulations affecting the student's choice of studies may be found on pages 76 and 77.

The courses in the various departments are divided into four groups: (1) those which may be entered without prerequisite in the department; (2) those which may be taken only after or concurrently with an introductory course, or after the completion of approximately sixty hours of credit; (3) those which may be taken only after or concurrently with a course of the second group, or after the completion of approximately ninety hours of credit; (4) those which may be taken only after or concurrently with a course of the third group.

The credit which a course bears toward meeting the requirement of one hundred and twenty semester-hours for graduation is indicated in general by the number of class exercises a week for each semester, two hours of laboratory work counting as one hour of credit. Exceptions to this are indicated in the descriptions of courses. A course not elected in any year by as many as five persons may be withdrawn at the option of the Faculty.

Departments of Instruction

Unless otherwise noted the number of hours of credit in the following courses is determined by the number of days in the week on which the classes meet.

Astronomy

PROFESSOR FOX

A. *Descriptive Astronomy*—A general course in Astronomy adapted to the needs of students with no previous knowledge of the subject. Open to students who have secured a credit of thirty semester hours, including Mathematics A1 or A3 and Physics A. Mon., Wed., Fri. 2. First semester.

B. *Spherical and Practical Astronomy*—A study of the elements of practical astronomy, its problems and the methods of solution. Practice in observing and in the reduction of observations. Open to students who have completed Course A. Second semester, Wed., Fri., 2. Work in this course will be continued during the first semester of the following year.

Biblical Literature

PROFESSOR PATTEN

MAJOR: Course A and seven additional year-hours, including Course E. MINOR: Course A and four additional year-hours.

A. *Introduction to the Study of the English Bible*—First semester.—Transmission of the text; genuineness; authenticity; canon. Reading of selected books of the Bible, with geographical and historical background. The evolution of the English Bible with study of the great English versions. Lectures, required readings. Text: American Revision. Second semester—The Bible and English Literature. The English of the Bible. The English Bible as Literature. Lectures. Text: American Revision and Moulton's Modern Reader's Bible. Open to all students. Mon., Wed., Fri., 2. Professor Patten.

B. *The Kingdom of God*—First semester—The Gospel Records. Origin, nature, and interpretation, with the Gospel of Luke as a basis. Text: American Revision, Cambridge Bible. Second semester—The Central Figure of the Kingdom—The Christ. The Sayings of Jesus, with religion, morality, and social ideals. Lectures and required readings. Open to students who have completed or are taking Course A. Tu., Th., 2. Professor Patten.

C. *The Beginnings of Christianity*—First semester.—Inductive study of the Acts of the Apostles, with the historical background of the primitive church. Text: American Revised Bible, Cambridge Bible. Second semester.—The Organization and Spread of Primitive Christianity as illustrated in the Apostolic Letters. Selected Epistles. Text: American

Revised Bible, Cambridge Bible. Open to students who have completed Course A. Given in alternate years with Course F. Not given in 1910-11. Tu., Th., 11. Professor Patten.

D. *Christianity and other Religions*—First semester.—A survey and comparison of the principal religions of the world in their rise and development. Text-book with assigned readings and papers. Second semester.—Special study of the individual ethnic religions, with emphasis upon their relation to Christianity. Lectures and required readings. Open to students who have sixty hours of credit. Tu., Th., 3. Professor Patten.

F. *Christian Missions*—First semester.—The history of missions. Second semester.—Relation of missions to world movements and to the problems of the great cities. Text, lectures and required readings. Illustrated with maps, screen projections and local visitation. Open to students who have sixty hours of credit. Given in 1910-11 and in alternate years with Course C. Tu., Th., 11. Professor Patten.

G. *Christian Archaeology*—A survey of the life and art of the early church, as seen in the researches of Christian Archaeology, illustrated with screen projections, original impressions from the monuments and the material in the Bennett Museum of Christian Archaeology. First semester—The archaeology of Christian art. Second semester—The archaeology of Christian life. Given in 1910-11 and in alternate years with Course D. Open to students who have sixty hours of credit. Tu., Th., 3. Professor Patten.

E. *The Hebrew Civilization, Rise and Development*—First semester.—Patriarchal and pre-exilic periods. Second semester.—Exilic and post-exilic periods. This course includes a survey of the biblical history in the Old Testament, the Hebrews and their contemporaries, Babylonians, Egyptians, etc., together with the study of modern archaeological exploration in the Orient. Text and lectures. Open to students who have ninety hours of credit. Mon., Wed., Fri., 3. Professor Patten.

Botany

PROFESSOR ATWELL AND DR. PENNINGTON

MAJOR: Course A and six additional year-hours, including Course C or Course D. MINOR: Course A and three additional year-hours.

A. *Principles of Botany*—The biology and morphology of typical plants selected from the more important natural groups. Ecology and classification receive attention during the months of October and May. Laboratory and field work, with quizzes and informal lectures. Open to all students. *Credit, four year-hours.* Lectures, Mon., Fri., 2. Laboratory, Tu., Th., 8 to 10, 10 to 12, or 2 to 4. Professor Atwell, Dr. Pennington, and assistants.

B. *Seed Plants*—Morphology, distribution, and economic uses of the more prominent plant families. Open to students who have had a year-course in Botany. *Credit, three year-hours.* Mon., Wed., Fri., 8 to 10, Professor Atwell.

BB. *Trees and Forests*—The morphology, classification, habits, distribution and economic value of the trees and shrubs commonly found in American forests, especially in the north central states. Open to those who have completed one year of elementary Botany. Class room work one hour a week; field work or laboratory work two hours or more a week. *Credit, two hours.* Fri., 10; Wed., 10 to 12. Professor Atwell.

C. *Physiology and Histology of Plants*—First semester—Laboratory experiments in physiology. Second semester.—Problems in histology. Open to those who have completed Courses A and B, or a fair equivalent, or may be taken concurrently with Course B. *Credit, three year-hours.* Mon., Wed., Fri., 10 to 12. Dr. Pennington.

D. *Lower Plant Life*—Comparative morphology of ferns, mosses, algæ, and fungi. Laboratory work, lectures, and field work. Books of reference are provided. Open to students who have completed Course A. May be taken concurrently with Course B. *Credit, two to four year-hours.* Mon., Wed., Fri., 2 to 4. Dr. Pennington.

F. *Problems in Physiology of Plants*—Open to students who have completed Course C. Hours to be arranged. *Credit, two to five hours.* Dr. Pennington.

G. *Special Problems in Plant Life*—Problems involving original work, assigned to suit the needs of individuals. Open to students who have completed the major requirement. *Credit, three to five year-hours.* Time to be arranged. Professor Atwell.

Chemistry

PROFESSOR YOUNG, PROFESSOR HINES AND DR. LEWIS

MAJOR: Courses A, B, and C. MINOR: Courses A and B.

A. *General Chemistry, Elementary*—Text and laboratory work. Those who have had a course in elementary Chemistry, but not sufficient to qualify for Course B, may, by taking Section II, have the laboratory work modified so as to avoid unnecessary repetition of work already done. Credit is not given unless the full course is completed. Open without prerequisite. *Credit, four year-hours.* Class work, Section I and III, Tu., Th., 1:30 to 2:30; Section II, Mon., Fri., 4 to 5. Laboratory, Section I, Tu., Th., 2:30 to 4, Wed., 1:30 to 4; Section II, Mon., Fri., 1:30 to 4; Section III, Tu., Th., 2:30 to 5. Professor Young, Professor Hines and Dr. Lewis.

B. *Qualitative Analysis; Organic Chemistry*—Lectures, recitations, and laboratory work. Open to students who have completed Course A or its equivalent. *Credit, four year-hours.* Mon., Wed., Fri., 1:30 to 4:30. Dr. Lewis.

C. *Quantitative Analysis*—First Semester.—Gravimetric analysis. Second semester.—Volumetric analysis. Open to students who have completed or are taking Course B. *Credit, three year-hours.* Tu., Th., 1:30 to 4:30. Professor Hines.

E. *Advanced Course in General Chemistry*—A course of reading on somewhat advanced topics. The work has been based on Ostwald's Outlines of General Chemistry. Credit is not given unless the year-course is completed. Prerequisite, Course B. *Two year-hours.* Wed., Fri., 10. Professor Young and Professor Hines.

H. *Organic Chemistry, Advanced Course*—Lectures. A systematic study of the synthetic relations of the carbon compounds. This course must be preceded by Course B. *Credit, two year-hours.* Time to be arranged. Dr. Lewis.

BC. *Advanced Analytical Chemistry*—Selected topics from the following: (a) Qualitative analysis of commercial products and of substances more complex than those analyzed in Chemistry B. (b) Quantitative analysis, special methods for the analysis of technical materials, ores, etc. Open to students who have completed Courses B and C. *Credit, three year-hours.* Time to be arranged. Professor Hines.

D. *Sanitary and Food Analysis*—Examination of water, milk, butter and other food stuffs. Open to those who have completed Course C. *Credit, three year-hours.* Tu., Th,, 9 to 12. Dr. Lewis.

G. *Topics of Investigation*—Problems involving original research in organic chemistry. Open only by special permission of the instructor in charge. *Credit and time to be arranged.* Dr. Lewis.

I. *Gas Analysis, Iron and Steel Analysis*—This course must be preceded by Course C. *Credit, three year-hours.* Time to be arranged. Professor Hines.

Economics, Finance, and Administration

PROFESSOR HOTCHKISS, PROFESSOR HOWARD, AND PROFESSOR DEIBLER

MAJOR: Course A and seven additional year-hours, which must include at least two year-hours more advanced than the courses of the B-group. MINOR: Course A and three additional year-hours.

A. *The Elements of Economics*—An elementary course in economic theory. The first semester is devoted to the fundamental principles of value. In the second semester these principles are applied to practical

economic problems. The work of the second semester varies in the different sections according to the instructor's individual choice. Open to students who have thirty semester-hours of credit. Mon., Wed., Fri., 9, 10, 3. Professor Howard, Professor Deibler, and Professor Wildman.

B1. *Industrial History and Commercial Geography*—The industrial and commercial history of Western Europe and the United States, showing the origin and growth of modern economic ideas. A general survey of modern commerce as influenced by the resources and leading industries of different parts of the world. Text book: Day, History of Commerce. Mon., Wed., Fri., 3. Not given in 1909-1910. Professor Howard.

B2. *The Labor Question in Europe and America*—The economic and social conditions of the working classes in Europe and the United States. Factory legislation. Growth of labor organizations; strikes and lock-outs; the open and the closed shop; collective bargaining; state regulation of labor disputes, recent laws and judicial decisions. Mon., Wed., Fri., 8. Professor Deibler.

B3. *Transportation*—The general principles of railway transportation; the history of American railroads; the development of organization, management, consolidations, and control; railway finance and rate making; state and federal legislation; the Interstate Commerce Commission. Johnson's American Railway Transportation. Mon., Wed., Fri., 9. Not given in 1909-1910. Professor Howard.

B4. *Sociology, Socialism, and Social Reform*—The general principles of social evolution and progress, with particular reference to social laws. A critical study of the principles of socialism and the socialistic movement. The single tax, co-operation and profit-sharing. Text-books, assigned readings and discussions. Tu., Th., 11. Professor Deibler.

B5. *Present Day Social Problems*—Social problems of the present day, characteristic of congested industrial centers. Poverty, its causes and effects; the sphere of the state and of private individuals and organizations in promoting wholesome social conditions; the interpretation of activities for social betterment with reference to standards of social justice. Prerequisite, Course A, or sixty hours of credit, including one course in either Philosophy or History. Tu., Th., 3. Professor Hotchkiss.

B6. *Administration*—Comparative administrative law and practice designed to familiarize the student with the actual working of administrative machinery in the leading modern states; municipal government and administration. Text: Ashley's Local and Central Government; other books to be announced. Tu., Th., Sat., 9. Professor Hotchkiss.

B7. *Colonial Governments*—The economic, social, and political conditions in the English and Dutch colonies and the outlying districts of the United States. Relation of European nations to the so-called less pro-

gressive peoples. Interests of the United States in the Orient. Tu., Th., 9. Not given in 1909-1910. Professor Hotchkiss.

B8. *Social and Economic Field Work*—Students in the department who have completed Course A will be permitted, at the discretion of the instructor, to investigate and report upon certain social and industrial institutions in the neighborhood of Chicago. Work of this nature to receive credit must be additional to the work required for special reports in other courses. Time to be arranged. Professor Hotchkiss, Professor Howard, and Professor Deibler.

C1. *The Relation of Government to Industry*—Development of the *laissez faire* doctrine and reasons for its abandonment. Government regulation and public policy. Specific regulative measures. Comparison of American and foreign practice. An expansion of the course on the trust problem, given in previous years, covering also the questions of a public nature dealt with in the course in Transportation. Tu., Th., 10. Professor Hotchkiss.

C2. *Public Finance and Taxation*—A comparative study of the budget systems in the leading countries. Special attention is given to existing methods of levying and collecting taxes, federal, state, and local; principles of taxation. Text books, assigned readings and discussions. Tu., Th., 9. Professor Deibler.

C3. *Private and Corporation Finance*—Money and instruments of credit; banks and their functions; the currency problem. Legal aspects of corporations. The methods of promotion, capitalization, and underwriting, the various forms of stocks and bonds, their values, methods of marketing through stock exchanges and otherwise. Texts: Johnson, Money and Currency: Wood, Modern Business Corporations. Mon., Wed., Fri., 11. Professor Howard.

C4. *Advanced Economic Theory*—This course gives advanced students opportunity to make a more intensive study of the principles of economics and their application than is possible in Course A. Special attention is given to the development of economic thought and the contributions of the Historical and Austrian Schools as well as a critical study of modern economic thought. Tu., Th., 10. Not given in 1909-1910. Professor Deibler.

D. *Seminary*—In this course an extended original investigation upon some specific topic will be undertaken. The thesis prepared in the seminary may be entered in competition for the Harris Prize in Political Science. Undergraduates may not register for more than three hours except by permission of the faculty. *Credit, three to six year-hours.* Time to be arranged. Professor Hotchkiss, Professor Howard, Professor Deibler, and Professor Wildman.

Education

PROFESSOR FISK AND PROFESSOR LIBBY

MAJOR: Course A, or J, or Courses B and C, and seven additional year-hours, which must include Course K and either Course D or Course G. MINOR: Course A, or J, or Courses B and C, and three additional year-hours not taken concurrently with Course A, B, or J.

A teacher's testimonial is issued to students who fulfill the requirements described on page 123.

A. *General History of Education*—The relation of institutional education to the development of civilization and culture; the discussion of pedagogical principles; the intensive study by individual students of the great educators, Plato, Rousseau, Spencer, *et al.* Misawa's Modern Educators, Brown's The Making of our Middle Schools, and Ziegler's Geschichte der Pädagogik are recommended for reference. This course prepares for the state examinations for supervisors of schools. Open to students who have thirty hours of credit. Mon., Wed., Fri., 3. Professor Libby.

J. *Secondary Education in the United States*—The history of American middle schools, comparison with foreign systems, organization, discipline, curricula, methods, management, hygiene, report of the Committee of Ten, report of the Committee on College Entrance Requirements. Present-day problems. High school visitations with reports, the criticism of text-books, etc. Reading of periodicals. This course prepares directly for the state examination for high school teaching certificates and may be taken in conjunction with Education E. Open to students who have thirty hours of credit. Mon., Wed., Fri., 10. Professor Libby.

B. *Principles of Education*—Lectures, readings, and discussions. Text-books: Compayré's Lectures on Pedagogy, Horne's Philosophy of Education, Rooper's Apperception, Lange's Apperception, De Garmo's Interest and Education, McMurry's Elements of General Method, Hughes's Securing and Retaining Attention. Open to students who have a credit of sixty hours, and to others by special permission. Mon., Wed., 4. Professor Fisk.

C. *School Administration*—Lectures, readings and discussions. Text-books: Tompkin's Philosophy of School Management, De Garmo's Principles of Secondary Education, Roark's Economy in Education, Calderwood's On Teaching. Open to students who have completed Course A or Course B, and to others by special permission. Fri., 4. Professor Fisk.

D. *Experimental Pedagogy*—Investigation of the basis of method, the contents of children's minds, fatigue, types of imagination, fidelity of memory, retention and recall. The learning process, by introspection and by observation of others. The research method is employed. The works of Meumann, Claparède, Lay, and Binet are recommended for reference.

Open to students who have completed Psychology A1. Mon., Wed., Fri., 9. Second semester only. Professor Libby.

E. *Special Methods*—Lectures, readings, discussions, written reports, high school visitations, demonstrations, examination of text-books, apparatus, etc. Lectures by representatives of departments as follows: History, See History I; Latin, See Latin J, H, and K; Mathematics, See Mathematics B3; Physiography, See Geology A2. Professor Fisk, Professor Libby, and the instructors in the several departments.

H. *Educational Psychology*—See department of Psychology, Course B2, page 109.

G. *Adolescence*—Growth in height and weight, growth of the brain and other organs, psychic development, motor education, conversion, adolescent feelings, diseases, crimes, rites, the education of girls, boys' gangs. Hall's Adolescence is used for reference. Members of the class present written reports on monographs. Open to students who have completed two year-courses in Education. Tu., Th., 10. Professor Libby.

K. *Education from the Sociological Point of View*—The school in relation to the family, state, and other social forces; education with reference to philanthropy and to the progress of civilization; the function of the industrial school, night school, reformatory school, school for defectives, kindergarten, university settlement, and of special institutions. Seminary and lecture methods employed; reading of recent books and periodicals. Open to students who have completed two year-courses in Education. Mon., Wed., Fri., 9. First semester only. Professor Libby.

Elocution

PROFESSOR CUMNOCK AND MR. LARDNER

A. *First Course*—The regulation of the breath, the use of the body in the development of vocal energy; English phonation; methods of acquiring distinct articulation; the natural and orotund voices; the application of force, stress, pitch, rate, quantity, and emphasis, and their importance; the use of inflection for emphasis and melodious effect; the fundamental principles of gesture and their application. Texts: Russell's Manual of Elocution and Cumnock's Choice Readings. Open to all students. Section I, Mon., Wed., 4; Section II, Tu., Th., 4. Mr. Lardner.

B. *Study of Masterpieces of English Eloquence*—Open to students who have completed Course A. Section I, Tu., Th., 8; Section II, Wed., Fri., 8; Mr. Lardner.

C. *Principles of Vocal Expression*—Stress is laid upon the acquisition of good form in common reading and in oratorical address. The written productions are carefully examined; individual advice and criticism. Open

to students who have completed Courses A and B. This course is designed for the year of graduation. Mon., Fri., 9. Professor Cumnock.

D. *Bible, Hymn, and Liturgic Reading*—Mon., Fri., 11. Professor Cumnock.

Engineering

For courses in ENGINEERING open to students in the College of Liberal Arts, see page 117.

English Language

PROFESSOR CLARK, MR. SHERBURN, MR. BURRILL, MR. STEVENS, AND MISS POTTER

MAJOR: Courses A and B and six additional year-hours, which must include one of the Courses C, D, or H, and may include English Literature D. MINOR: Courses A and B and two additional year-hours.

Course A is required of all students during the first year of residence unless especially excused by the Registration Committee. It must precede all other courses in the department.

A. *Rhetoric; Synonyms; Eight Essays*—First semester. Drill in the elements of good style. Second semester. Rhetorical imagery and synonyms. Students who show, early in the first semester, that they are seriously deficient in elementary English, are required to take additional work for such time as may be found necessary. No credit is given till the whole course, including the additional work, if any, is completed. Mon., Wed., Fri., 8, 8, 9, 10, 10, 11, 2, and 3; Tu., Th., Sat., 8, 9, 9. Mr. Sherburn, Mr. Stevens, and Mr. Burrill.

B. *Prose Masterpieces; Paragraphing*—The diction and the distinctive characteristics of the great writers of prose. After a minute examination of the style and the diction of a given author, each member of the class writes a theme exemplifying the peculiar merits of the author. Twenty-four prominent prose writers are thus studied during the year. Open to students who have completed Course A. Tu., Th., 9, 10. Professor Clark.

J. *English Syntax*—Tests of the ability to form clear mental images and to interpret written language. The reason for the sentence structure of modern English; the relation of the sentence and its parts to the thought and ideas expressed. Open to students who have completed Course A and have fifty hours of credit. Mon., Fri., 11. Miss Potter.

C. *Versification; Poetic Masterpieces*—The mechanics of English versification and the diction and distinctive characteristics of the great poets. Open to students who have completed Course B. Wed., Fri., 9. Professor Clark.

D. *History of the English Language; Anglo-Saxon; Early English*—A review of the history of the English language. The outlines of Anglo-Saxon grammar. Selections from fifteen pre-Chaucerian authors, from Bæda to Gower, inclusive. Open to students who have completed Course B and one course in German. Tu., Th., 3. Professor Clark.

F. *Advanced Composition*—Two short articles from every member of the class every week during the college year. Open to students who have completed Courses A and B. Wed., Fri., 10. Professor Clark.

I. *Composition for Public Speaking*—Open to students who have completed Courses A and B. Mon., Wed., 3. Mr. Burrill.

G. *Biblical English*—The diction, imagery, and idiom of the English Bible. Open to graduate students only. *Credit, three year-hours.* Time to be arranged. Professor Clark.

H. *The Longer Forms of Narration*—The student analyzes short story masterpieces as models, and, later, constructs original stories. Open to graduates and to undergraduates who have completed Courses A, B, and F. Tu., Th., 4. Mr. Sherburn.

English Literature

PROFESSOR BROWN, PROFESSOR PAGE, AND DR. SNYDER

MAJOR: Course A and nine additional year-hours, which must include Course C or D, and may include English Language D. MINOR: Course A and four additional year-hours, of which not more than two year-hours may be taken concurrently with Course A.

Students preparing to teach English Literature are urged to secure at least one year's college work in Latin.

A. *General View of English Literature*—A general outline of the development of English literature. Lectures, recitations, and a considerable amount of reading. Required of all students in regular courses. All candidates for a degree are expected to take this course in their second year. Course A is pre-requisite to all other courses in the department, except that Courses B, H, and J1 may be taken concurrently with it. *Two year-hours.* Lecture, Mon., 3. Quiz sections, Tu., 10; Wed., 10 and 3; Th., 11; Fri., 10, 11, and 3. Professor Brown, Professor Page, Dr. Snyder, and assistants.

B. *American Literature*—First semester. Early American historians; the beginnings of poetry in New England; religious prose—the Mathers, Woolman, Edwards, Franklin; revolutionary verse—Songs and ballads, Trumbull, Barlow, Freneau, Brockden Brown, Irving, Bryant, Cooper, Poe. Second semester. Emerson, Thoreau, Whittier, Webster; poetry of the rebellion, Lincoln, Garrison, Phillips, Longfellow, Holmes, Lowell, Hawthorne, Whitman, Lanier, Sill, Bret Harte, Aldrich. The literature of

America is studied in its relation to that of England, and to the underlying social and political conditions. Open to students who have completed or are taking Course A. Tu., Th., 8. Dr. Snyder.

H. *English Poetry of the Victorian Period*—First semester. Tennyson, Mrs. Browning, Browning, Matthew Arnold, Clough. Second semester. Fitzgerald, the Rossettis, Swinburne, Morris, Kipling, Watson, and other contemporary poets. Open to students who have completed or are taking Course A. Tu., Th., 11. Professor Page.

J1. *Anglo-Saxon Literature*—First semester. Bright's Anglo-Saxon Reader is used. This course is recommended as the best introduction to Courses J2, C, and D. Open to students who have completed or are taking Course A. Tu., Th., 9. Dr. Snyder.

J2. *Béowulf*—Second semester. A study of the poem as literature. This course presupposes a knowledge of Anglo-Saxon such as may be obtained in J1. Tu., Th., 9. Dr. Snyder.

C. *Chaucer*—First semester. A detailed study of a large number of the Canterbury Tales. Second semester. The Parlement of Foules, the Legende of Gode Wommen, and so much of the Troilus and Criseyde as time permits. Open to students who have completed Course A and have taken or are taking one of the Courses B, H, or J1, or have ninety hours of credit. Mon., Wed., Fri., 10. Professor Brown.

D. *Shakespeare*—First semester. A careful and detailed study of three of Shakespeare's plays; for 1909-1910, Richard II, King Lear, The Winter's Tale; for 1910-1911, Henry V, Hamlet, Antony and Cleopatra. This semester's work may be taken in each of two successive years. Second semester. All of Shakespeare's plays are read in chronological order. Lectures on the development of Shakespeare's art and on his relations to preceding and contemporary dramatists. Open to students who have completed Course A and have taken or are taking one of the Courses B, H, or J1, or have ninety hours of credit. Mon., Wed., Fri., 11. Professor Brown.

E. *English Literature of the Sixteenth and Seventeenth Centuries*—First semester. Wyatt, Surrey, Gascoigne, Lyly, Sydney, Spenser, Daniel, Drayton, Raleigh, and the Elizabethan Miscellanies. Among topics discussed are: the influence of foreign literary models; the national spirit; the development of blank verse, the lyric and the sonnet; the romance; Euphuism; and literary criticisms in the sixteenth century. Second semester. Donne, Drummond, Wither Carew, Herrick, Suckling, Lovelace, Herbert, Crashaw, Vaughan, Cowley, Waller, Marvell, Milton and contemporary prose writers. Open to students who have completed Course A, and have taken or are taking Course B or H, or have ninety hours of credit. Mon., Wed., Fri., 2. Given in 1909-1910 and in alternate years. Professor Page.

F. *The Age of Pope and the Age of Johnson*—First semester. Dryden, Defoe, Addison, Steele, Swift, Pope. Second semester. Johnson, Gold-

smith, Richardson, Fielding, Burke, Thomson, Gray, Collins, Cowper, Burns. Among topics discussed are: the transition from the seventeenth to the eighteenth century; the development of prose; political pamphlets; literary periodicals; the development of the novel; literary criticism; classicism in poetry; the beginnings of romanticism. Open to students who have completed Course A and have taken or are taking Course B or H, or have ninety hours of credit. Mon., Wed., Fri., 2. Given in 1910-1911 and in alternate years. Professor Page.

G. *The Romantic Movement*—First semester. Wordsworth, Coleridge, Southey, Lamb, Jeffrey, Jane Austen. Second semester. Scott, Byron, Keats, Shelley, Landor, Leigh Hunt, De Quincey, Hazlitt. Among topics discussed are: the romantic revolt as a general movement in European literature; the return to nature; the influence of the French revolution; the revolt against artistic conventions; the awakening of interest in the middle ages; the revival of the individual spirit in English literature. Open to students who have completed Course A and have taken or are taking Course B or H or have ninety hours of credit. Tu., Th., 11. Given in 1910-1911. Professor Page.

I. *English Prose of the Victorian Period*—First semester. Carlyle, Arnold, Ruskin, Pater. Second semester. The English novel since the time of Scott. Lectures on the origin and the history of the English novel; reading of selected works to illustrate this development; extensive reading in Thackeray, Dickens, George Eliot, Hardy, Stevenson, Meredith. Open to students who have completed Course A and have taken or are taking Course B or H or have ninety hours of credit. Mon., Wed., Fri., 9. Dr. Snyder.

K. *The Elizabethan Drama*—First semester. From the Mysteries and Miracle Plays through the Moralities, the Interludes, and the plays of Lyly, Greene, Peele, Kyd, Marlowe to Jonson. Second semester. Through the plays of Jonson, Shakespeare, Dekker, Chapman, Heywood, Beaumont and Fletcher, Middleton, Webster, Tourneur, Ford, Massinger, Shirley, and Davenant to the Restoration. Open to students who have taken or are taking one of the courses J2, C, D, E, F, G, or I. Mon., Wed., Fri., 11. Given in 1909-1910 and in alternate years. Professor Page.

L. *The Drama from the Restoration to the Present Time*—The development of the drama from the Restoration on the continent and in England. Open to students who have taken or are taking one of the Courses J2, C, D, E, F, G, or I. Mon., Wed., Fri., 8. Given in 1910-1911. Professor Page.

M. *Caedmon and Cynewulf*—In this course is read the greater part of the Anglo-Saxon poetry belonging to the time of Cædmon and Cynewulf. Open primarily to graduate students. Tu., Th., 2. Professor Brown.

Z. *Seminary*—In 1909-1910 the subject is the English Metrical Romances of the Arthurian Cycle. Each student prepares and reads before the

class a series of reports which he afterwards puts into the form of a thesis. Beginning with lectures on the characteristics of mediaeval romance, the work of the course is centered upon certain English Metrical Romances of the Arthurian Cycle. Celtic literature is considered and its influence upon mediaeval romance is especially studied. Open to graduate students only. *Credit three year-hours.* Time to be arranged. Professor Brown.

French

See Romance Languages and Literatures, page 110.

Geology

(Including Geography, Assaying, Metallurgy, Mining)

PROFESSOR GRANT, PROFESSOR MANSFIELD, MR. COGHILL, MR. HIGGINS AND MR. YEATON

MAJOR: Course A1 or A2 and six additional year-hours, which must include one of the C-courses. MINOR: Course A1, or A2, or B3, and two year-hours not taken concurrently with these courses.

A1. *General Geology*—A general introduction to Geology. Open to students who have thirty hours of credit and have completed in college or in high school a year-course in Chemistry. *Credit, four year-hours.* Mon., Wed., Fri., 10. Laboratory hours Tu., Th., 10. Professor Grant.

A2. *Geography*—An introductory course in earth science. Students who plan to teach geography in secondary schools should take this course. First semester. The earth as a globe, the atmosphere, the oceans. Second semester. Physiography of the lands, summary of the geography of the continents. Open to all students. The second semester may be taken without the first. *Credit, four year-hours.* Tu., Wed., Th., 2. Laboratory hours, Mon., or Fri., 2. Professor Mansfield and Mr. Yeaton.

A3. *Mineralogy*—Crystallography, blowpipe analysis, determinative mineralogy of the rock-forming minerals and the common ores. Open to students who have completed Chemistry A or its equivalent. *Credit, four year-hours.* Tu., Th., 9. Laboratory hours to be arranged in the forenoons. Mr. Higgins. (In 1909-1910 this course was designated B3.)

B1. *Geological and Topographical Field Work*—Methods of geological and topographical surveys; maps, sections, and reports from actual field work. Most of the work of the semester is in the field. Open to students who have completed or are taking Course A1, and also to students who have completed Course A2. *Credit, three semester-hours.* Tu., Th., 2. Laboratory hours to be arranged. Second semester only. Mr. Higgins.

B2. *Advanced Geology and Physiography*—First semester. Advanced general geology, development of the science, some of the larger problems

in geology, current investigations. Second semester. Physiographic and general geology of the United States. Open to students who have completed Course A1 or A2; the second semester may be taken without the first. *Credit, three year-hours.* Tu., Th., 3. Laboratory hours, Tu., or Th., 4. Professor Mansfield.

B4. *Assaying*—Fire assaying of gold, silver, and lead ores; determination of gold in cyanide and chloride solutions. Open to students who have completed or are taking Course B3. *Credit, two year-hours.* Mon., Wed., 9. Mr. Coghill.

B5. *Metallurgy*—First semester. Fuels, refractory materials, metallurgy of iron and steel. Second semester. Metallurgy of zinc and lead. Open to students who have completed or are taking Course B3. *Credit, two year-hours.* Tu., Th., 8. Mr. Coghill.

B6. *Elements of Mining*—Open to students who have forty-five hours of credit. *Credit, two semester-hours.* Mon., Wed., 8. Second semester only. Mr. Coghill.

C1. *Economic Geology*—First semester. Metallic mineral resources, especially of the United States. Second semester. Non-metallic mineral resources, especially of the United States. Open to students who have completed Course A1, and have completed or are taking Course B2 or B3; also to students who have completed Courses A2 and B3. *Credit, three year-hours.* Tu., Th., 11. Laboratory hours to be arranged. Professor Grant.

C2. *Historical or Glacial Geology*—Open to students who have completed Course A1, or A2, and have completed or are taking Course B1, B2, or B3. *Credit, three semester-hours.* Mon., Wed., 3. Laboratory hours to be arranged. Second semester only. Historical Geology will be given in 1909-1910 and Glacial Geology in 1910-1911. Professor Mansfield.

C3. *Petrology*—Optical mineralogy and the determination of minerals by use of the petrographical microscope; a study of the more important rocks. Open to students who have completed Courses A1 and B3, or to students who have completed one of these courses and are taking the other. *Credit, five year-hours.* Mon., Wed., Fri., 11. Laboratory hours to be arranged. Not given in 1909-1910. Professor Grant.

C4. *Metallurgy*—First semester. Metallurgy of copper. Second semester. Metallurgy of gold and silver. Open to students who have completed Course B5. *Credit, two year-hours.* Not given in 1909-1910. Mr. Coghill.

D. *Courses Primarily for Graduates*—Advanced Petrology; advanced Geography; Pre-Cambrian Geology; Research work. Credit and time to be arranged. Professor Grant and Professor Mansfield.

German Language and Literature

PROFESSOR HATFIELD, PROFESSOR CURME, PROFESSOR EDWARD, MR. BERNSTORFF, AND MR. ROLOFF.

MAJOR: Courses A and B and six additional year-hours, which must include Course D. MINOR: Courses A and B.

AA. *Elementary German*—Pronunciation, grammar, selections in prose and verse, German composition. This course may not be taken to remove language requirements for admission, and credit will not be given unless the full course is completed. Open only to students who have presented full four units of foreign languages for admission. Mon., Tu., Wed., Th., Fri., 8, 10. Mr. Bernstorff and Mr. Roloff.

AB. *Supplementary German*—Reading of simple literature, translation into German, grammatical drill. Open to students who present one unit of German in their four units of foreign languages for admission. Mon., Wed., Fri., 11. Professor Edward.

A. *Intermediate German*—Sections I, III, IV—Modern Prose writers, Storm, Freytag, Seidel, Ernst, etc. German lyrics and ballads, Goethe's Hermann und Dorothea. Sections II, V, VI—Lessing's Minna von Barnhelm, Goethe's lyrics and ballads, Schiller's Wilhelm Tell and Maria Stuart, Goethe's Hermann und Dorothea. Open to students who have completed Course AA, or its equivalent. Mon., Wed., Fri., 9, 9, 10, 10, 11; Tu., Th., Sat., 8. Professor Curme, Professor Edward, Mr. Bernstorff, and Mr. Roloff.

I. *Intermediate German Composition*—Open to students who have completed Course AA or A. Tu., Th., 10. Mr. Roloff.

G. *Colloquial German*—Mosher's Wilkommen in Deutschland, Kron's German Daily Life, and other material. Open to students who have completed Course AA, or its equivalent. One year-hour. Tu., Th., 9. Professor Edward.

B. *Goethe's Life and Works*—1749-1790—First Semester.—Dichtung und Wahrheit, Goetz von Berlichingen, Werther, and the earlier lyrics. Study of the life of Goethe, for which purpose the possession of Heinemann's Goethe is very desirable. Second Semester—Lyrics, Egmont, Iphigenie, Tasso, Italienische Reise. German H may be suitably combined with this course. Open to students who have completed German A. If taken a second time with new subject matter, a credit of two hours is given. In 1910-11 the subject will be literature relating to the Thirty Year's War. Mon., Wed., Fri., 8, 11, 3. Professor Hatfield, Professor Curme, and Mr. Bernstorff.

H. *Advanced German Composition*—Von Jagemann's Syntax and Prose Composition; translation of short English stories into German. Open to

students who have completed Course I, or its equivalent. Mon., Wed., 8. Professor Edward.

C. *Goethe's Faust*—Conducted in German; both parts of the drama are read; intended for mature students. Open to students who have completed Course B and have sixty hours of college credit. Tu., Th., 11. Professor Hatfield.

D. *History of German Literature*—A systematic study of German literature from the earliest times. Robertson's History of German Literature and Max Müller's German Classics. Open to students who have completed Course B. Mon., Fri., 3. Professor Hatfield.

F. *German Novel and Short Story*—Two courses in the modern German novel and short story are given in alternate years. They present an outline of German life in the nineteenth century as reflected in this form of literature. First half of the century: H. von Kleist, Hauff, Hoffmann, Immermann, Stifter, Grillparzer, Ludwig, C. F. Meyer; given in 1910-11. Second half of the century: Spielhagen, Storm, Heyse, Raabe, Fontane, Wildenbruch, Sudermann, Frenssen; given in 1909-1910. Open to students who have completed Course B. Courses J and F may be suitably combined. Tu., Th., 3. Professor Edward.

J. *Modern German Drama*—Two courses are given in alternate years. They present an outline of German life in the nineteenth century as reflected in the drama, exclusive of the classical works of Goethe and Schiller. First half of the century: H. von Kleist, Grillparzer, Raimund, Gutzkow, Hebbel, Otto Ludwig; given in 1910-1911. Second half of the century: Anzengruber, Wildenbruch, Sudermann, Hauptmann, Fulda, Lienhard, Otto Ernst; given in 1909-1910. Open to students who have completed Course B. Tu., Th., 4. Professor Curme.

K. *Historical Grammar of the German Language*—The historical development of the forms and syntax of the German language; the reading of important literary works of different periods. Texts: Braune's Althochdeutsche Grammatik, and Althochdeutsches Lesebuch, Paul's Mittelhochdeutsche Grammatik, Wright's Historical German Grammar, Hartmann von Aue's Der Arme Heinrich, Curme's Grammar of the German Language as Spoken and Written Today. Open to seniors and graduate students. Mon., Wed., Fri., 4. Professor Curme.

L. *Middle High German Masterpieces*—The reading of masterpieces of the Middle High German period without a formal study of the grammar. In 1909-1910 the following works were taken up: Zarncke's edition of the Nibelungenlied and Martin's Wolfram's von Eschenbach Parzival and Titurel. Open to students who read modern German fluently. Tu., Th., 3. Professor Curme.

M. *Social Tendencies in German Literature Since* 1848—The main political and social currents of thought as reflected in the literature of this period. For seniors and graduate students. Tu., Th., 2. Mr. Roloff.

E. *German Seminary*—First semester.—The German Volkslied, with special reference to the influence of *Des Knaben Wunderhorn*. Second semester.—Uhland, Eichendorff, and Wilhelm Müller. Intended for graduate students; enrollment is at the discretion of the instructor. Suitable original work is brought to publication as opportunity allows. In 1910-1911 the subjects to be treated are: First semester.—Goethe from 1790 to 1832. Second semester.—Schiller's Life and Works. *Credit, two to five year-hours* Sat., 9 to 10:30. Professor Hatfield.

Greek Language and Literature

PROFESSOR SCOTT, PROFESSOR FLICKINGER, AND PROFESSOR ANDERSON

MAJOR: Courses A and B and five additional year-hours. MINOR: Courses A and B.

AA. *Elementary Course*—A beginning course designed for students who enter college without Greek. Credit will not be given unless the full course is completed. Open to all students who have presented four units of foreign languages for admission. Mon., Tu., Wed., Th., Fri., 10. Professor Scott.

AB. *Second Year Course*—Xenophon's Anabasis, Books I, II, III, IV. Thirty Lessons in Greek Composition, Homer's Iliad, three books. Open to students who have completed Course AA, or its equivalent. Mon., Tu., Wed., Th., Fri., 9. Professor Flickinger.

A. *Lysias. Plato's Apology. Homer*—Open to students who have completed Course AB, or who have presented three units of Greek for admission. Mon., Wed., Fri., 11. Professor Scott and Professor Anderson.

K. *Greek and Roman Archaeology*—A general introduction to the artistic remains of the Greeks and Romans from the Minoan age to the time of Hadrian. Architecture, sculpture, vases, and coins. May be counted as one year-hour towards a Greek major. Open to students who have a credit of thirty hours. Tu., Th., 2. Professor Flickinger.

B. *Greek Literature*—Sophocles' Oedipus Rex; Euripides' Alcestis and Medea; Aristophanes' Frogs. Open to students who have completed Course A. Mon., Wed., Fri., 10. Professor Flickinger.

C. *Greek Literature; Advanced Course*—Selections from Lyric Poets. Hesiod, Herodotus, Demosthenes, Lucian, and Sophocles. Open to students who have completed Course B. Tu., Wed., Th., Fri., 9. Professor Scott and Professor Anderson.

G. *Dramatic Poetry*—Open to students who have completed Course C. *Credit, four year-hours.* Time to be arranged. Given in 1909-1910 and in alternate years. Professor Scott.

H. *Homer and Epic Poetry*—Open to students who have completed Course C. *Credit, four year-hours.* Mon. Wed., Fri., 2. Given in 1910-1911 and in alternate years. Professor Scott.

History

(Including Diplomacy and Government)

PROFESSOR JAMES, PROFESSOR WILDE, PROFESSOR HARRIS, PROFESSOR TERRY, DR. LICHTENSTEIN, DR. POOLEY, AND DR. HALL.

MAJOR: Course A, E, or H, and seven additional year-hours, which must include Course K, S, or S1. MINOR: Course A, E, or H, and three additional year-hours, not taken concurrently with A, E, or H.

A. *English History*—English political history from the Anglo-Saxon period to the present day. In addition the development of governmental institutions and the condition of the church receives some attention. Open to all students. Mon., Wed., Fri., 8, 2. Professor Terry.

E. *European History During the Middle Ages*—The transition from the ancient to the mediaeval world; the barbarian invaders and kingdoms; the growth of the Christian church; the feudal system; mediaeval culture; the beginnings of modern states and civilizations. Open to all students. Mon., Wed., Fri., 8, 2. Dr. Pooley.

H. *Elements of Politics*—First semester.—American Politics; organization and development of federal, state governments, and political parties in the United States. Second semester.—Comparative National Government, comparative analysis of the governments and constitutional law of Germany, France, Austria-Hungary, Italy, Spain, Switzerland, and the British Empire. Open to all students. Mon., Wed., Fri., 10. Professor Harris and Dr. Hall.

B. *English Constitutional History*—The historical development of the English government from the Anglo-Saxon period to the present day. Open to students who have completed Course A. Tu., Th., 11. Not given in 1909-1910. Dr. Pooley.

C. *American Colonial History to* 1783—The social and economic development of the New England and Southern Colonies. Attention is given to the European influences, the motives and methods of colonization; and emphasis is laid upon the development of American political institutions and on the causes of the American Revolution. A half-year course given each semester. Open to students who have completed Course A, E, or H. Mon., Wed., Fri., 3. Professor Terry.

BC. *American History*—The Political History of the United States from the Revolution. The formation of the Union, the rise and growth of parties, the influence of westward expansion and of slavery on the political life. Open to students who have completed one full year course in the department, or an equivalent. Mon., Wed., Fri., 11. Professor James.

D. *Greek and Roman History*—First semester.—History of Greece from the earliest times to the Roman conquest. Second semester.—Rome from the earliest times to the break-up of the Empire. The second semester may be taken without the first. Open to students who have completed one full year course in the department or have sixty hours of credit. Tu., Th., 9. Dr. Pooley.

F. *The Renaissance and Reformation*—First semester.—The Renaissance, its relation to the Middle Ages; Italian political conditions, literature, fine arts, morals, and religion; Humanism; Renaissance in other European countries; age of exploration and discovery; beginnings of modern sciences. Second semester.—The Reformation in Germany, Switzerland, France, the Netherlands and Great Britain, treated as a religious, political, and social movement; the Catholic Reformation; the Thirty Years' War. Open to students who have completed Course E or one full year course in the department. Tu., Th., 2. Dr. Pooley.

G. *European History from the French Revolution*—First semester.—The causes and events of the French Revolution and the wars of Napoleon. Second semester.—The evolution of constitutional government in the states of Europe; revolts of 1820, 1830, and 1848; the unification of Italy and Germany; the Eastern question. Open to students who have completed one full year course in the department and have sixty hours of credit. Mon., Wed., Fri., 10. Professor Terry.

H1. *Constitutional and Administrative Law of the United States*—First semester.—Constitutional Law as developed in the United States. Second semester.—Administrative Law, dealing with the nature and exercise of official power and administrative discretion, the judicial control of officers and actions against them, and the extraordinary legal remedies. Both courses are based upon the study of cases. The second semester may be taken without the first. Open to students who have completed one full year course in the department of History or Economics. Mon., Wed., Fri., 8. Dr. Hall.

N. *International Law and Commercial Law*—First semester.—International Law, the general principles of the Law of Nations with reference to the relations of states in time of peace and of war, the rights and duties of neutrals; methods employed for the settlement of international difficulties. Second semester.—Commercial Law. A brief study of the fundamental doctrines of the branches of private law most closely connected with business relations, such as contract, sales, partnership, agency, corporations, and bills and notes. The course is based upon the study of a text

and the leading cases. Open to students who have completed one full year course in the department or have sixty hours of credit. The second semester may be taken without the first. Mon., Wed., Fri., 9. Professor Harris and Dr. Hall.

I. *Methods of Teaching History*—Special reference to the work of secondary schools and the bibliography of American History. Open to students whose major is History or who have completed two full year courses in the department. Tu., 2. Professor James.

J. *Historical Bibliography and Criticism*—Introduction to advanced historical work by reference to the great historical collections and works of mediaeval and modern European history; methods of historical criticism and investigation. Open to students whose major is History or who have completed two full year courses in the department. *One year-hour.* Time to be arranged. Not given in 1909-1910. Dr. Lichtenstein.

K. *European Diplomacy and World Politics in the Nineteenth Century*—First semester.—The diplomatic relations and important treaties of European states from 1815 to 1878. Special attention is given to "Legitimacy," the diplomacy of Bismarck, Cavour, and Napoleon III; the Dual and Triple Alliance; and the Eastern question. Second semester.—World politics from 1878 to the present day. Contemporary international politics with particular reference to imperialism; the colonization and partition of Africa, India, Egypt, and Turkestan; Central Asia and the far East. Open to students who have completed two full year courses in the department; by special permission, to students with ninety hours of credit; and to graduates; Tu., Th., 10. Professor Harris.

S. *History of the West*—The advance of the frontier; the political and industrial development of the West, and its effects upon national development. Open to students who have completed Course BC and one other year course in the department; by special permission, to students with ninety hours of credit; and to graduates. Tu., Th., 3. Professor James.

S1. *Diplomatic History of the United States*—The foreign relations of the United States from the close of the Revolution, commercial treaties following the Revolution, the Monroe Doctrine, the diplomacy of expansion, the relations with the South American republics, the period of the Civil War, interoceanic transportation routes; the United States in the Far East. Open to students who have completed Course BC, and one other year-course in the department; by special permission, to students with ninety hours of credit, and to graduates. Tu., Th., 3. Not given in 1909-1910. Professor James.

M. *Seminary in American History*—Open to graduate students, and to students who have completed three full year-courses in the department. *Three year-hours.* Tu., 4-5; Th., 4-6. Professor James.

M1. *Rise of Prussia*—The political, intellectual, and economic development of Prussia and Germany since the time of the Great Elector; age of Frederick the Great; Napoleonic period; the Reaction; the Bismarck era. A reading knowledge of German and French, and the preparation of a thesis are required. Open to graduate students and to students whose major is History and who have completed three full year-courses in the department. *Two year-hours.* Dr. Lichtenstein.

Italian

See Romance Languages and Literatures, page 112.

Latin Language and Literature

PROFESSOR BONBRIGHT, PROFESSOR LONG, PROFESSOR FLICKINGER, AND PROFESSOR ANDERSON

MAJOR: Courses A, B, C or D, E or F, and J. MINOR: Courses A and B.

Students who present for admission to College the full requirement of four units of foreign languages, including three units of Latin, may elect Latin (d), Virgil, in the Academy, for four hours of college credit.

A. *Cicero*, De Senectute, Letters; *Livy*, selections; *Terence*, two Plays. Open to students who have presented four units of entrance Latin. Mon., Wed., Fri., 8, 10, 11; Tu., Th., Sat., 9. Professor Long, Professor Flickinger, and Professor Anderson.

B. *Horace*, Odes, Epodes, and Satires; *Tacitus*, Histories. Open to students who have completed Course A. Mon., Wed., Fri., 9, 11. Professor Long and Professor Anderson.

J. *Latin Composition*—Latin writing and discussions with lectures on the Latin language, methods of work, and problems in secondary teaching. Open to students who have completed Course A. Tu., Th., 3. Professor Long.

C. *Latin Literature*—Horace, Epistles; Catullus; Tacitus, Dialogus; Pliny's Letters. Open to students who have completed Course B. Mon., Wed., Fri., 11. Given in 1908-1909 and in alternate years with Course D. Professor Bonbright.

D. *Latin Literature*—Poetry—Lyric and Elegiac selections. Horace, Literary Epistles; Tacitus or Quintilian. Open to students who have completed Course B. Mon., Wed., Fri., 11. Professor Bonbright.

E. *Dramatic Literature*—Plautus, two Plays; Satire and Epigram,—

Juvenal; Martial. Open to students who have completed Course C or D. Tu., Th., 11. Given in 1908-1909 and in alternate years with Course F. Professor Bonbright.

F. Lucretius, readings with interpretation and lectures; Philosophical selections, Cicero, Seneca. Open to students who have completed Course C or D; Tu., Th., 11. Professor Bonbright.

G. *Graduate Course*—Study of a selected type or period of literary production. Offered to students of advanced preparation. Time to be announced.

H. *Virgil*—Bucolics and Georgics; lectures introductory to the study of Virgil and the Roman epic; Aeneid; preparation of papers on assigned topics with lectures. Open to students who have completed Course C or D. Tu., Th., 4. Professor Long.

K. *Caesar, Cicero*—Selections from the Commentaries of Caesar; lectures on special phases of Caesar's works; assigned topics for reports. Selections from the early Orations of Cicero; study of rhetorical method and style. Open to students who have completed Course C or D. Intended primarily for students who expect to teach. *Two year-hours*. Tu., Th., 4. Not given in 1909-1910. Professor Long.

Greek and Roman Archaeology—See Greek K.

Mathematics

PROFESSOR HOLGATE, PROFESSOR CURTISS, PROFESSOR WILSON, PROFESSOR MOREHEAD, DR. MOORE, AND MR. MARIETTA

MAJOR: Courses A1 and A2, (or Course A3), B1, and six additional year-hours, which must include at least one C-course. MINOR: Courses A1 and A2, (or Course A3,) and either B1 or B2.

Course A1 or its equivalent is required of all candidates for a degree, except as specified on page 77. It should be taken in the first year of residence; if deferred it bears a decreased credit. Courses A1 and A2, or Course A3, must precede all more advanced courses in the department.

A1. *Plane Trigonometry and Analytical Geometry*—First semester.—Review of Algebra. Plane Trigonometry, including the solution of oblique triangles. Second semester.—Plane Analytical Geometry; an elementary course on the straight line and conic sections. In the section which meets Mon., Wed., Fri., 8, the order of subjects is reversed and this section is, for the first semester, open only to students who have presented Plane Trigonometry for admission; such students may complete a year's work in Analytical Geometry by taking the second half of Course B2. Required of all candidates for a degree except those who elect Course A3. Mon., Wed., Fri., 8, 9, 9, 10, 11, and 2. Tu., Th., Sat., 9, 9. Professor Curtiss, Professor Wilson, Professor Morehead, Dr. Moore, and Mr. Marietta.

A2. *Algebra*—Ratio and proportion; the progressions; the graphical treatment of simultaneous quadratic equations; the binomial theorem

for positive integral exponents; determinants; the numerical solution of equations. This course may be taken concurrently with Course A1, or may be substituted for the second half of Course A1. A half-year course given each semester. Open to all students. Mon., Wed., Fri., 11. Dr. Moore.

A3. *Plane Trigonometry, and Analytical Geometry*—A more extended course than Course A1, including Algebra and the elements of Differential Calculus in coördination with Plane Analytical Geometry. Open to all students. Mon., Tu., Wed., Th., Fri., 8, 10, 10. Professor Wilson, Professor Morehead, and Dr. Moore.

A4. *Solid Geometry*—Open to students who have not presented Solid Geometry for admission. Such students may substitute this course for the second half of Course A1. Second semester. Mon., Wed., Fri., 9. Dr. Moore.

B1. *Differential and Integral Calculus*—The first section continues the work of Course A3, including Calculus and an introduction to Solid Analytical Geometry. The second section continues the work of Courses A1 and A2. Mon., Wed., Fri., 8, 9. Professor Curtiss and Dr. Moore.

B2. *Advanced Algebra and Analytical Geometry*—First semester.—Topics in advanced Algebra, including complex quantities, determinants, and the theory of equations. Second semester.—Analytical Geometry of two and three dimensions. Either half of this course is open to students who have completed Courses A1 and A2, or Course A3. Mon., Wed., Fri., 8. Professor Morehead.

B3. *The Principles of Algebra and Geometry*—A critical and historical study of the logical foundations of secondary mathematics. This course is included in Education E and is designed especially for those who intend to teach. Open to students who have completed Courses A1 and A2, or Course A3, and who have a college credit of fifty semester-hours. Tu., Th., 10. Not given in 1909-1910. Professor Wilson.

C1. *Advanced Calculus*—Infinite series; Taylor's theorem; partial differentiation; differential geometry; definite integrals over curves, surfaces and volumes; the Eulerian functions; Fourier's series; differential equations. Open to students who have completed Course B1. Mon., Wed., Fri., 11. Professor Curtiss.

C2. *Analytical Mechanics*—Dynamics of a rigid body. Open to students who have completed Mathematics B1 and Physics B. Tu., Th., Sat., 9. Not given in 1909-1910. Professor Wilson.

C3. *Advanced Analytical Geometry*—An introduction to the study of some of the more important transformations, as projection, inversion, and polar reciprocation. Much use is made of abridged notation and of homo-

geneous point and line coördinates. Open to students who have completed Courses A3 and B1, or Course B2. Tu., Th., Sat., 9. Professor Holgate.

C4. *Modern Synthetic Geometry*—The introduction of infinitely distant elements into geometry; central projection; perspectivity and projectivity; generation of conics from projective forms; ruled quadric surfaces; involution; poles and polars; systems of conics. Open to students who have completed Courses A3 and B1, or Course B2. Tu., Th., Sat., 9. Given in 1910-1911 and in alternate years with Course C3. Professor Holgate.

C5. *Solid Analytical Geometry*—Open to students who have completed Courses A3 and B1, or Course B2. First semester. Mon., Wed., Fri., 9. Not given in 1909-1910. Professor Wilson.

D1. *The Partial Differential Equations of Mathematical Physics*—The solution of problems in Heat, Electricity, Acoustics, etc., by means of Fourier's series and allied developments; a treatment of these developments; ordinary linear differential equations whose solutions are connected with these problems; the theory of the Potential Function. Open to students who have completed Course C1 or Course C2. Mon., Wed., Fri., 10. Not given in 1909-1910. Professor Curtiss.

D2. *The Theory of Functions*—Open to students who have completed Course C1. Tu., Th., 3; Sat., 10. Professor Curtiss.

D3. *The Theory of Numbers*—An introduction to the classical Theory of Numbers. Primarily for graduate students. Mon., Wed., Fri., 3. Not given in 1909-1910. Professor Morehead.

D4. *Differential Geometry*—The Geometry of space curves and surfaces, investigated by means of the Calculus. Primarily for graduate students. Second semester only. Not given in 1909-1910. Professor Morehead.

D5. *Ordinary Differential Equations*—Primarily for graduate students. Tu., Th., 1; Sat., 11. First semester only. Dr. Moore.

D6. *Vector Analysis*—Open to students who have completed or are taking a C-course. Hours to be arranged. Second semester only. Professor Wilson.

D7. *Invariants and Galois' Theory of Equations*—Open to students who have completed a C-course. Mon., Tu., Th., 4. Professor Morehead.

Music

PROFESSOR LUTKIN, PROFESSOR OLDBERG, MR. GARWOOD, MR. DODGE, AND MISS RUSSELL

The maximum credit which will be allowed for courses in Music is twenty semester-hours. Courses A and C, introductory courses in Harmony and Sight Reading, and Course G, Chorus and Choir Training, are open to College students but bear no college credit. They, or their

equivalents, must be completed, before subsequent courses in the same subjects can be taken.

A. *Introductory Harmony, Form and Analysis*—Scale and melody writing; construction of the period; intervals and two-part writing; chord-reading; small two-part primary forms; triads, inversions, chord-connection in three and four parts, cadences, modulations, dominant sept-chord. Mon., Wed., Fri., 3; Tu., Th., 3; Sat., 9:30. Mr. Dodge.

B. *History of Music*—A general survey of musical history and biographies of musicians. Recitations; class singing of specimens of Gregorian chant, early canons, and folk songs. Musical illustrations of later periods. Text-books; Clarence G. Hamilton's Outlines of Music History, and Meyers' General History (revised edition). Th., 2, 3. Mr. Garwood.

C. *Sight-Reading, Vocal*—Drill in scale and interval singing. Time sub-divisions, ear training, dictation, part-singing. Mon., Th., 4:15. Miss Russell.

D. *Harmony*—Figured basses and harmonization of melodies, employing the use of triads, dominant, diminished, and supertonic sept-chords, with inversions, in dispersed harmony. Secondary sept-chords and chords of the ninth. Suspensions and tones foreign to the harmony. Organ-point, modulation, etc. Text-book: Chadwick's Harmony. Mon., Th., 11. Professor Lutkin.

E. *Form and Analysis*—Chord-reading. Bach's inventions. Primary forms, principally from Mendelssohn and Chopin. Song or aria form. Minuets, marches, scherzos, rondos, theme and variations, the sonata form. Sonatas as a whole. Preludes and fugues. Tu., Fri., 11. Professor Lutkin.

F. *History of Music*—Lectures on the growth of musical art as related to the events of general history and the development of literatures. Text-book; Waldo S. Pratt's History of Music. Mon., 2, 3. Mr. Garwood.

G. *Chorus and Choir Training*—The Monday evening sessions are the regular rehearsals of the Evanston Musical Club. The Wednesday sessions are at Music Hall, with the following outline of work: hymns, part-songs, anthems. Choral service of the Episcopal church. Cantatas and oratorios. Ensemble singing in duets, trios, and quartettes. Mon., 8 p.m., Wed., 5. Professor Lutkin.

H. *Counterpoint*—Counterpoint in the various species in two, three and four parts. Tu., Fri., 10. Professor Lutkin.

I. *Advanced Harmony*—Harmonization of chorals; remote modulations; unprepared and unresolved dissonances. Text-book: Foote and Spalding's Modern Harmony. Wed., 10. Professor Lutkin.

J. *Composition*—Primary forms, including the minuet, scherzo, march, etc. Simple and elaborated accompaniments. Score-reading, including viola clef. Mon., Th., 1:30 to 3; Tu., Fri., 8:30 to 10. Professor Oldberg.

K. *Advanced History of Music*—Evolution of Music; correlated arts. Lectures and class work. Text-book: Parry's Evolution of the Art of Music. Mon., 11. Mr. Garwood.

L. *Analysis*—Bach's well-tempered clavichord. Beethoven's sonatas. Brahm's pianoforte works. Concertos. Wed., 11. Professor Lutkin.

M. *Counterpoint, Canon and Fugue*—Counterpoint in five or more parts. Double and Triple counterpoint. Canons in the various intervals. Tu., 9. Professor Lutkin.

N. *Vocal Composition*—Exercises in the application of rhythms and forms to verse. Songs, duets; trios, quartettes, and part-songs. The anthem and the unaccompanied motette. The canticles and communion service of the Episcopal church. Mon., Th., 10. Professor Lutkin.

O. *Instrumental Composition*—Song or aria forms. The various sonata movements. Compositions for piano and strings, and for small orchestra. Mon., Th., 8:30 to 10. Professor Oldberg.

P. *Analysis*—Chamber music. Organ compositions. Church cantatas. Oratorios and symphonies. Orchestral music from full score. Fri., 9. Professor Lutkin.

Q. *Canon and Fugue*—Hours to be arranged. Professor Lutkin.

R. *Vocal Composition*—The cantata, with piano and orchestral accompaniment. Fugal and double choruses. The oratorio and the mass. Tu., 2 to 4. Professor Lutkin.

S. *Instrumental Composition*—The sonata form in piano and chamber music. The overture and symphony for full orchestra. Wed., 8:30 to 10:30. Professor Oldberg.

T. *Public School Methods*—Study of the child voice. Methods of teaching. Practical demonstration. Chorus conducting. Mon., Th., 5. Miss Russell.

Philosophy

PROFESSOR EWER AND DR. LONGWELL

MAJOR: Course A1 (or Psychology A1 and Philosophy A2,) and seven additional year-hours including Course C1. MINOR: Course A1 (or Psychology A1 and Philosophy A2) and three additional year-hours.

A1. *Logic and Introduction to Philosophy*—First semester.—An outline of deductive and inductive logic; text-book, lectures, written exercises. Second semester.—A systematic statement of philosophical problems and their typical solutions; the relations of philosophy to life and science; special reference to evolutionary conceptions. Text-book; lectures, collateral reading. Open to students who have thirty hours of credit. Mon., Wed., Fri., 2. Professor Ewer.

A2. *Logic*—Equivalent to the first semester of Course A1. Open to students who have thirty hours of credit. Second semester. Mon., Wed., Fri., 2. Dr. Longwell.

B1. *Ethics*—An introductory study of ethical principles and practical problems of contemporary individual and social life. Text-book, lectures, collateral reading. Open to students who have sixty hours of credit and have completed or are taking Course A1 (or Psychology A1 and Philosophy A2.) Tu., Th., 10. Dr. Longwell.

B2. *Philosophy of Religion*—First semester.—The nature of religion and its place in the life of humanity; early religion and the great religions of the world. Second semester.—Fundamental religious ideas in the light of present psychological, philosophical, and scientific thought. Text book, lectures, collateral reading. Open to students who have sixty hours of credit and have completed or are taking Course A1 (or Psychology A1 and Philosophy A2). Tu., Th., 11. Professor Ewer.

C1. *History of Philosophy*—Text book, lectures, reading in philosophical classics, ancient and modern. Open to students who have completed or are taking a B-course. Mon., Wed., Fri., 11. Dr. Longwell.

C2. *Advanced Ethics*—A historical study of the development of ethical conceptions and their bearing upon present social movements. Open to students who have completed Course B1. Tu., Th., 9. Professor Ewer.

D1. *Theory of Knowledge and Metaphysics*—First semester.—A critical and comparative study of empiricism and rationalism. Second semester.—A similar study of idealism and realism. Lectures, collateral reading, reports and discussions. Open to students who have completed Course C1. Hours to be arranged. Professor Ewer.

D2. *Seminary in Modern Philosophy*—A systematic and critical study of the writings of some modern philosophers. Primarily for graduates. *Three hours*. Hours to be arranged. Not given in 1909-1910. Professor Ewer.

Physical Culture and Hygiene

PROFESSOR GILLESBY, MR. RILEY, AND MISS HUEGIN

Regulations governing Athletics and the use of the Gymnasium may be found on page 135.

A. *Hygiene*—Lectures on the care of the body and the place of exercise and athletic sports in the preservation of health. Tu., Th., 11. First semester. Professor Gillesby.

B. *Gymnastics*—Free-hand exercises, light and heavy gymnastics. Careful physical examinations are made. Men's sections, Mon., Tu., Th., 10, 4; Mon., Wed., Fri., 5. Women's sections, Mon., Tu., Th., 11, 3; Mon., Wed., Fri., 2. Mr. Riley and Miss Huegin.

Physics

PROFESSOR CREW, PROFESSOR TATNALL, AND MR. PARSONS

MAJOR: Courses A, B, and C. MINOR: Courses A and B.

A. *General Physics*—First semester.—General properties of matter, wave-motion, sound. Second semester.—Heat, electricity, magnetism, light. An introductory course requiring no mathematics beyond the requirements for entrance to college, intended to acquaint the student with the elementary facts, the method, and the general principles of physical science. Text-book: Crew's General Physics. One laboratory exercise each week. *Four year-hours.* Mon., Wed., Fri., 11. Professor Tatnall.

B1. *Mechanics*—An elementary experimental study of forces, moments of force, moments of inertia, elasticity, hydromechanics, an introduction to advanced physics and engineering. This is a course in pure Dynamics, and serves as an introduction to Applied Mechanics. Text-book: Crew's Principles of Mechanics. Two lectures and one laboratory exercise a week. The laboratory work is guided by especially prepared instructions. The laboratory is open every afternoon in the week except Saturday. Open to students who have completed Course A, or its equivalent. *Three year-hours.* Tu., Th., 11. Professor Crew and Professor Tatnall.

B2. *Physical Optics*—Two lectures and one laboratory exercise a week. Theoretical and experimental study of the general phenomena of refraction, diffraction, interference, and polarization. Study of the spectrometer and interferometer, and of the aims and methods of spectroscopy. Application of the principle of deffraction and interference to the grating, the telescope, the interferometer, and other optical instruments. The laboratory work is guided by a set of instructions prepared and printed especially for this laboratory. Text-book: Edser, Light for Students. Open to students who have completed Course A. *Three year-hours.* Hours to be arranged. Professor Crew.

C. *Electricity and Magnetism, The Direct Current Circuit*—Two lectures and one laboratory exercise a week. The more general laws of electricity and magnetism are discussed; the practical equations employed in the laboratory are derived and discussed. Text-book: J. J. Thomson's Elements of the Mathematical Theory of Electricity and Magnetism. The laboratory work includes the measurement by one or more methods of current, resistance, electromotive force, temperature-coefficients, capacity; a study of the magnetic properties of iron and steel, thermo-electric effects, the use of the electrometer, the Carey Foster bridge, potentiometer, copper voltameter, etc. Open to students who have completed Course A. *Three year-hours.* Mon., Fri., 8. Professor Crew.

D. *The Alternating Current Circuit*—One lecture and one laboratory exercise each week. In this course the physical properties of the alterna-

ting current circuit are considered, rather than the application of these principles to engineering problems. The laboratory work includes measurements of current, inductance, capacity, impedance, study of wave-forms, etc. Open to students who have completed Course C. *Two year-hours.* Hours to be arranged. Professor Tatnall.

E. *Mathematical Physics; Electricity*—Essential to all advanced students of pure physics and to those contemplating electrical engineering of high grade, and recommended to students interested in applied mathematics. The course is intended primarily for graduates. Text-book: Jean's Mathematical Theory of Electricity and Magnetism. Given in alternate years with Course E2. Mon., Fri., 9. Professor Crew.

E2. *Mathematical Physics; Optics*—The general theory of physical optics, spectrum analysis, and astrophysics, including the theory of optical instruments. Given in alternate years with Course E. Intended to be accompanied by laboratory work, the hours of credit for which are to be separately determined in each case. Schuster's Theory of Optics represents the ground covered. For advanced students and graduates. Mon., Fri., 9. Professor Crew.

Psychology

PROFESSOR SCOTT AND DR. GAULT

MAJOR: Ten year-hours, including a course as advanced as Course C1. MINOR: Courses A1 and A2 (or Philosophy A2) and three additional year-hours.

A1. *Elementary General Psychology*—Class room demonstrations and guidance to private observation; demonstration of apparatus and methods of experimental psychology; written exercises and experiments by members of the class; text-book, lectures, and collateral reading. Open to students who have thirty hours of credit. First semester, Mon., Wed., Fri., 10, 2, 2; second semester, Mon., Wed., Fri., 9. Professor Scott, Dr. Gault, and Dr. Longwell.

A2. *Special Topics in General Psychology*—A more intensive study of Feeling and Attention, Association, Suggestion, and Will than can be given in Course A1. Open to students who have completed Course A1 or its equivalent. Mon., Wed., Fri., 2. Second semester. Dr. Gault.

B1. *Experimental Psychology*—Intended for students of general psychology who desire to become acquainted with laboratory methods. Open to students who are taking or have completed Course A1. Two consecutive hours of laboratory work are required for one hour of credit. Wed., Fri., 3 to 5. Professor Scott and Dr. Gault.

B2. *Applied Psychology; Education*—This course aims to set forth the scientific basis of teaching in so far as it is found in the science of Psychology, and to enable the student to think educational problems from the

point of view of mental development in the child. The physical nature of the child, his instincts and capacities, with their individual variations, are studied in considerable detail, and the work is concluded with a study of mental tests and measurements. Open to students who have completed Course A1 or its equivalent. Kirkpatrick's Fundamentals of Child Study and Thorndike's Educational Psychology. Tu., Th., 10. Dr. Gault.

B3. *Applied Psychology; Business*—An intensive study of psychological principles which have the most direct application to business. Business practices are analyzed and an attempt is made to understand from a psychological standpoint some of the causes of successes and failures in business. Individual students study the actual and also the possible applications, in business of such factors as imitation, competition, loyalty, the love of the game, and personal differences. More attention is paid to advertising than to other forms of business. Open to students who have completed Course A1. Mon., Wed., Fri., 9. Second semester. Professor Scott.

B4. *Abnormal Psychology*—Study of abnormal forms of mentality in their relation to the operations of the normal mind. Border line phenomena receive special emphasis. Such homes for the abnormal as are accessible are visited. Störring's Mental Pathology and Normal Psychology and Defendorf's Clinical Psychiatry. Open to students who have completed Course A1 or its equivalent. Tu., Th., 11. Dr. Gault.

C1. *Advanced Experimental Psychology*—A continuation of Psychology D1, with the introduction of a limited amount of research. Two consecutive hours of laboratory work are required for one hour of credit. Open to students who have completed Course B1. Hours to be arranged. Professor Scott and Dr. Gault.

D1. *Research Work*—Open to students who have completed Course C1 or its equivalent. Hours to be arranged. Professor Scott.

Romance Languages and Literatures

PROFESSOR BAILLOT, PROFESSOR DE SALVIO, MR. GUYER, MR. BOVEE, AND MISS BRAGDON

MAJOR: Courses A and B in French and six additional year-hours, which must include at least two year-hours in French more advanced than Course B. MINOR: Courses A and B in French.

FRENCH

Le Cercle Français meets on alternate Thursdays at 7:30 o'clock p. m., and is open to all students who have completed Course A in French.

AA. *Elementary French*—DeBordes' Grammar. Whitney's Reader. Labiche's La Grammaire. Merimée's Colomba, Sicard's Easy French Hist-

ory. Baillot-Brugnot's Composition. Labiche-Martin's Voyage de M. Perrichon. Papot-Williamson's Easy French Stories. Sand's La Petite Fadette. Simple dictation, private reading, and composition. This course may not be taken to remove language requirements for admission, and credit will not be given unless the full course is completed. Mon., Tu., Wed., Th., Fri., 8, 9, 11, 2. Professor de Salvio, Mr. Guyer, Mr. Bovee, and Miss Bragdon.

AB. *Intermediate French*—Open to students who have presented one unit of French for admission, and may not be taken to remove entrance requirements. Mon., Wed., Fri., 9. Mr. Guyer.

A. *Modern French*—Baillot-Brugnot's Composition. Advanced Grammar. Reading. Madame de Girardin's La Joie fait Peur. Eugène Scribe's Les Doigts de Fée. Coppée's On rend l'Argent. Freeborn's Contes de Daudet. Pailleron's Le Monde où l'on s'Ennuie. White's Contes de Maupassant. Victor Hugo's Quatre-Vingt Treize. Canfield's French Lyrics. Coppée's Le Pater. Victor Hugo's Hernani. Private reading: Cameron's Selections from Loti. Hennequin's Lessons in Idiomatic French. Essays. Open to students who have completed Course AA or its equivalent. Mon., Wed., Fri., 10, 11. Professor de Salvio, Mr. Guyer, and Mr. Bovee.

B. *Classic French Literature of the Seventeenth and Eighteenth Centuries*—First semester. Seventeenth Century. Corneille's Le Cid, Polyeucte. Racine's Athalie. Molière's Le Misanthrope, L'Avare. Warren's Prose Writers of the 17th Century. Composition. History of the French Theater, in dictations. Collateral reading: Crane's La Société Française au 17e Siècle. Short lectures on the history of the theater in France. Second semester. Eighteenth Century. Lesage's Gil Blas. Voltaire's Zaïre and letters. Beaumarchais' Le Barbier de Séville and letters. A study, with collateral reading, is also made of other authors of the eighteenth century. Exercises in French syntax. Open to students who have completed Courses AA and A. Mon., Wed., Fri., 9, 10. Professor Baillot.

K. *French Conversation*—Open to students who have completed Course AA. *One year-hour.* Mon., Fri., 11. Mr. Bovee.

C. *General Survey of French Literature to the End of the Sixteenth Century*—Demogeot's French Literature and Darmesteter and Hatzfeld's Le Seizième Siècle en France will be used as text-books, and collateral reading is assigned by the instructor. Dictations. Papers on collateral reading. Open to students who have completed Course B. Tu., Th., 11. Professor Baillot.

D. *Modern French Literature*—The literature of the Nineteenth Century taking as a basis George Pellissier's Le Mouvement Littéraire au XIXe

Siècle. Collateral reading. This course is given in French. Open to students who have completed Course B. Tu., Th., 9. Professor Baillot.

E. *Advanced French*—Topics closely related to those of Courses C and D; students are expected to carry on special studies with prepared papers. Open to students who have completed Course C or D. *Two year-hours.* Time to be arranged. Professor Baillot.

F. *Old French and Early French Literature*—Lectures on phonology and morphology. The texts to be read are La Chanson de Roland; Aucassin et Nicolette; Erec et Énide. Open to students who have completed Courses B, and C or D. Tu., Th., 10. Professor de Salvio.

G. *Advanced French Composition*—Open to students who have completed French A. *Two year-hours.* Time to be arranged. Professor Baillot.

H. *Lectures on French Literature*—Open to students who have completed Course C or D. *Two year-hours.* Th., 11. Professor Baillot.

J. *The Theater of the Seventeenth Century; Advanced Course*—Open to students who have completed Course C or D. *Two year-hours.* Time to be arranged. Professor Baillot.

ITALIAN

A. *Elementary Course*--Grandgent's Grammar and Composition. Bowen's Reader; Goldoni's La Locandiera; Fogazzari's Pereat Rochus; Manzoni's I Promessi Sposi. Credit will not be given unless the full course is completed. Mon , Wed., Fri., 8. Professor de Salvio.

B. *Advanced Course*—General view of Italian literature. Advanced composition. Selections from Dante's Divina Commedia; D'Ancona e Bacci's Manuale della Letteratura Italiana, Vol. V; Verga's Cavalleria Rusticana ed Altre Novelle; Fogazzari's Fedele; Alfieri's Oreste. Open to students who have completed Italian A. *Three year-hours.* Time to be arranged. Professor de Salvio.

C. *Early Italian*—Lectures on Italian phonology and morphology. The literature of the Trecento. Monaci Crestomazia dei primi secoli; D'Ancona e Bacci's Manuale della Letteratura Italiana, Vol. I. Open to advanced students and to others who satisfy the instructor of their fitness to ake the course. *Two year-hours.* Time to be arranged. Professor de Salvio.

SPANISH

A. *Elementary Course*—Hills and Ford's Grammar; Composition; Bransby's Spanish Reader; Valdes' José; Galdos' Dona Perfecta; Moratin's El si de las Ninas. Credit will not be given unless the full course is completed. Mon., Wed., Fri., 2. Professor de Salvio.

B. *Advanced Course*—Lectures on Spanish literature with special emphasis on the modern period. Advanced composition. The following list will show approximately the range of reading: Selections from Cervantes

Don Quixote; at least one of Lope de Vega's and Calderon's selected plays; Ramon de Campoamor's Doloras; Galdos' Marianela; Fernan Caballero's La Gaviota; Echegaray's El Gran Galeoto; Valera's Pepita Jimenez; Tamayo y Baus' Un drama nuevo; Ford's Spanish Anthology. Open to students who have completed Spanish A. Tu., Th., 3. Professor de Salvio.

C. *Early Spanish*—Lectures on Spanish phonology and morphology. Spanish literature to the fifteenth century. The texts: El Poema del Cid, edited by R. Menendez Pidal; Adolph Keller's Alt-spanisches Lesebuch mit Grammatik und Glossar. Open to advanced students and to others who satisfy the instructor of their fitness to take the course. *Two year-hours.* Time to be arranged. Professor de Salvio.

Scandinavian Languages

MR. ELMQUIST

MINOR: Six year-hours more advanced than Course AA.

AA1. *Elementary Swedish*—Fort's Elementary Swedish Grammar; Selma Lagerlöf's" En Herrgardssägen" and "Nils Holgersson;" Strindberg's "Sagor." Open to all students. Mon., Tu., Wed., Th., Fri., 8. Mr. Elmquist.

A1. *Modern Swedish*—May's and Beckman's Grammar; Selma Lagerlöf's "Gösta Berlings *Saga;*" Helena Nyblom's "Det Ringer;" Tegnér's "Fritiofs Saga;" Runeberg's "Fäurik Stals Sägner;" selections from Heidenstam. Open to students who have completed Course AA1 or Course A2, or who have a speaking and reading knowledge of the language. Mon., Wed., Fri., 2. Mr. Elmquist.

B1. *Swedish Literature*—Representative writers of the nineteenth and twentieth centuries are read: Steffen's Svensk Litteraturhistoria. Open to students who have completed Course A1. *Two hours.* Hours to be arranged. Mr. Elmquist.

C1. *Swedish Literature from the Reformation to the Year* 1800.—Open to students who have completed Course A1. *Two hours.* Not given in 1910-1911.

O. *Old Icelandic*—Sweet's Icelandic Primer. A number of poems from the Edda. Lectures on the Literature and other subjects. Open to advanced students in the department or to students who have a credit of sixty hours. *Two hours.* Not given in 1910-1911.

S. *North and East Germanic*—First semester. Gothic. Streitberg's "Gotisches Elementarbuch;" Stamm-Heyne's "Ulfilas." Second semester. Old Icelandic. Kahle's "Altisländisches Elementarbuch." Loewe's "Germanische Sprachwissenschaft." Open to students in the department or to students who have a credit of ninety semester hours. *Two or three hours.* Hours to be arranged. Mr. Elmquist.

A2. *Modern Norwegian*—Olsen's Grammar; Björnson's Fortaellinger; one or two plays of Ibsen. Open to students who have completed Course A1 or who have a speaking and reading knowledge of the language. *Three hours.* Hours to be arranged. Mr. Elmquist.

Semitic Languages

PROFESSOR EISELEN AND MR. RAPP

These courses are given in Garrett Biblical Institute and students electing them are subject to the regulations of that school.

HEBREW

MINOR: Courses A and B.

A. *Elements of Hebrew Language*—Tu., Wed., Th., Fri., 9. Mr. Rapp.

B. *Introduction to Hebrew Literature*—Exegetical and critical reading of selections from the prophetic and the poetic literature of the Hebrews. Open to students who have completed Course A. Wed., Th., Fri., 11. Professor Eiselen.

C. *Graduate Courses*—(1) The Messianic Ideas and Ideals of the Old Testament. (2) Studies in Hebrew Prophecy. Tu., Wed., 10. (3) Seminary: The religious life and the religious beliefs of the Hebrews, as shown in the activity and teaching of their religious leaders. Th., 10. Professor Eiselen.

ASSYRIAN

D1. *Elementary Course*—Grammar; reading of easy historical texts. Open to students who have completed Hebrew A or its equivalent. *Two year-hours.* Time to be arranged. Professor Eiselen.

D2. *Advanced Course*—Reading of historical texts. *One year-hour.* Time to be arranged. Professor Eiselen.

ARAMAIC

E. *Elementary Course*—Study of the Aramaic language and portions of the Old Testament. Open to students who have completed Hebrew A, or its equivalent. *One year-hour.* Time to be arranged. Professor Eiselen.

Spanish

See Romance Languages and Literatures, page 112.

Zoölogy

PROFESSOR LOCY, PROFESSOR HARPER, DR. MEAD, MR. REDELINGS, MR. SMITH

MAJOR: Course A and six additional year-hours. MINOR: Courses A and two additional year-hours not taken concurrently with Course A.

A. *Structure, Development, and Evolution of Animal Life*—A general educational course. Comparative study of living organisms; physiological side receiving much attention. First semester. Observations on the properties of living matter; a few selected types of invertebrated animals. Second semester. The basis of the doctrine of organic evolution is set forth and its present status indicated. A large part of the time of this semester is devoted to observations on the development of animals, using eggs of fishes, amphibia, and the chick. Open to those without previous instruction in zoölogy or biology; recommended to students who have had a year's work in the high school, for whom a special laboratory section is formed. Credit is not given unless the full course is completed. *Four year-hours.* Lectures: Tu., Th., 9. Professor Locy. Laboratory sections: I, 8-10 Mon., Wed,, II, 10-12, Mon., Wed.; III, 10-12, Tu., Th.; IV, 2-4, Tu., Th. Professor Locy, Dr. Mead, Mr. Smith, and assistants.

A2. *Ornithology*—Second semester. Primarily field observations. History of Ornithology, anatomy of birds, their migrations, habits, classification, and the identification of native forms. Open to students who have pursued elementary work in Zoölogy. Class limited to fifteen students. One lecture and two hours of laboratory work. Fri., 9-12. Excursions will take the place of laboratory work during the spring migrations. Dr. Mead.

B1. *Comparative Anatomy and Physiology of Vertebrates*—First semester. Comparative Anatomy. Study of selected vertebrate types. The recitations and lectures are based on Weidersheim's Comparative Anatomy of Vertebrates. Second semester. Vertebrate Embryology; a discussion of the broader problems opened by study of the development of animals. Lectures and laboratory work. *Four year-hours.* Wed., Fri., 9. Laboratory work to be arranged on Tu., Wed., Th., Fri., 9 to 12. Professor Locy and Mr. Redelings.

B2. *Invertebrate Zoölogy*—The laboratory study will be confined to forms found in this region. Field excursions will be included. In addition to the structure and development of certain types, physiological problems will be considered and recent studies upon animal behavior will be illustrated in the laboratory work. *Two year-hours.* Tu., Th., 9. Professor Harper.

B3. *Physiology*—A course in human and general physiology. Lectures, recitations and class demonstrations. A two-hour laboratory period may at intervals be substituted for one exercise a week. *Two year-hours.* Mon., Fri., 2. Professor Harper.

B4. *Rise and Progress of General Biology and Zoölogy*—Historical lectures; from the renaissance of science to the present, particular attention to the beginning, the growth, and the modification of fundamental doctrines and principles that have become fruitful in the nineteenth century. Intended primarily for students taking other work in the department. Open

to students who have pursued elementary work in General Biology. *One year-hour.* Tu., 4. Given in 1909-1910 and in alternate years. Professor Locy.

C1. *Cytology and Histology*—First semester. Cell-life and elementary histology; anatomy and physiology of the cell, microscopical structure of the elementary animal tissues; the general methods of microscopical technique. Second semester. Microscopical structure of the animal organs; the important special methods of microscopical technique. Text-books: Wilson's The Cell in Development and Inheritance and Stöhr's Text-book of Histology. *Three hours.* Mon., 9. Laboratory hours to be arranged. Professor Harper.

C2. *Mammals, Living and Fossil*—First semester. This course will treat of the evolution of mammals, their past and present distribution, anatomy, adaptations and classifications. Reports on assigned topics will be required from time to time. Text-books: Beddards' Mammalia and Weber's Die Säugetiere. Open to students who have completed Courses A and B1. May also be taken concurrently with B1. *Three hours.* Fri., 9. Laboratory hours to be arranged. Dr. Mead.

D. *Physiology*—Intended for students preparing for medicine. Includes the work of the first year of Physiology in the Medical School, and is accepted in full for that course. Based on Hall's text-book and laboratory manual. Open to students who have completed Courses A and B1. *Three year-hours.* Mon., Wed., Fri., 3. Professor Harper.

E. *The Central Nervous System and its Terminal Organs*—First semester. Comparative structure of the central nervous system, with discussions of some of its physiological activities. Lectures and demonstrations. Second semester. The structure and evolution of sense-organs. Two hours of credit may be secured by additional laboratory work. *One year-hour.* Given in 1910-1911 and in alternate years. Professor Locy.

F. *Topics of Innvestigation*—An introduction to original research. Limited problems are assigned and worked out under the direction of the professor in charge. Consultation of the literature bearing on the problem; a thesis embodying results. A reading familiarity with French and German is essential. Open to students who have completed Courses A, B1, and C. Credit and time to be arranged. Professor Locy.

G. *Research Work*—Similar to Course F, but with broader scope. The thesis must embody a critical review of the important literature and must show substantial conclusions based upon the work of the student. Means of publication will be found for worthy papers. For graduate students who have completed the equivalent of the courses designated above; may be elected for either ten or for fifteen hours of credit. Time to be arranged. Professor Locy.

Special Courses in Art

The following courses in the Principles of Art are offered during the year 1909-1910, by Miss Stella Skinner, under the auspices of the University Guild. The lectures and laboratory work are given in the Guild Rooms in Orrington Lunt Library.

A1. Fundamental principles of art expression, illustrated by typical examples; art in the home, the development of the dwelling and its decorations from primitive to modern times; modern domestic architecture; furniture styles and their significance; ceramics; pictures and framing; dress; economics of shopping. Open without fee to students in regular courses in the College of Liberal Arts, College of Engineering, and School of Music. To others, a fee of three dollars a semester is charged. *Credit, two year-hours.* Tu., Th., 3. Miss Skinner.

A2. Laboratory exercises connected with Course A1. Fee to students enrolled in regular courses in the College of Liberal Arts, College of Engineering, and School of Music, three dollars a semester. To others, the fee for Courses A1 and A2 is five dollars a semester. *Credit, one year-hour.* Time to be arranged. Miss Skinner.

B. Advanced Design. Laboratory exercises in continuation of the study of Art Principles. Historic styles of ornament with reference to original significance and modern adaptation. Open to students who completed Courses A in 1908-1909, and to others with equal preparation. Laboratory fee, three dollars a semester. *Credit, two year-hours.* Time to be arranged. Miss Skinner.

Summer Courses

Special courses are offered during the summer vacation by members of the Faculty of the College of Liberal Arts. These are intended primarily for teachers and for undergraduates wishing to make up deficiencies, but are open to any persons qualified to take them. The courses bear appropriate college credit.

Courses in the College of Engineering

The following courses in the College of Engineering are open to students in the College of Liberal Arts, and may be elected for credit toward a bachelor's degree.

A1. *Mechanical Drawing*—One afternoon a week. Credit one year-hour. Laboratory fee, three dollars. Professor Irish.

B1. *Freshman Shop Work*—One afternoon a week. Credit one year-hour. Laboratory fee, four dollars. Professor Basquin.

A2. *Sophomore Drawing*—One recitation and two afternoons a week.

Credit three year-hours. Open to students who have completed Course A1 and Mathematics A3. Laboratory fee, three dollars.

B2. *Sophomore Shop Work*—One afternoon a week. Credit one year-hour. Open to students who have completed Course B1. Laboratory fee, four dollars. Professor Basquin.

C1. *Surveying*—Two recitations and one morning a week. Credit three year-hours. Open to students who have completed Course A1 and Mathematics A3. Laboratory fee, five dollars.

C2. *Field Work in Surveying*—A six-weeks summer course. Open to students who have completed Course C1. Professor Irish.

E1. *Direct Current Circuit and Machinery*—Credit three year-hours. Open to students who have completed Physics C and Mathematics B1. Laboratory fee, three dollars. Professor Bauer.

H2. *Structural Mechanics*—Two recitations and one afternoon a week. Credit three year-hours. Open to students who have completed Physics B and Mathematics B1. Laboratory fee, five dollars. Professor Basquin

J1. *Heat Engines*—Credit three year-hours. Open to students who have completed Physics B. Laboratory fee, three dollars. Professor Bauer.

Courses in Garrett Biblical Institute

The following courses in Garrett Biblical Institute may be elected by students in the College of Liberal Arts who have sixty hours of credit toward a degree, but no student may present more than thirty hours of credit from these courses. Students electing them are subjected to the regulations of the Institute.

A. *Christian Doctrine*—Three hours a week. Professor Terry.

B. *New Testament Greek*—(a) The Gospel according to Luke and the Book of Acts, critical and exegetical study, three hours a week; (b) The Pauline Epistles, introduction, analysis, and exegesis, three hours a week; (c) The remaining books of the New Testament, textual, critical, and exegetical study, three hours a week. Professor Hayes.

C. *Hebrew, Assyrian, Aramaic*—See page 114. Professor Eiselen.

D. *Church History*—Post-Nicene History of the Christian Church. Christianity within the Roman Empire. The Church and Mediaeval Society; the Reformation; the Modern Church. Three hours a week. Professor Little.

General Statements

Professional Studies

Certain courses announced in the preceding pages have a more or less direct bearing on the professional career which the student may have in contemplation, and elective studies may well be chosen with this in view. The following paragraphs contain the regulations under which a student by a proper combination of courses in the College of Liberal Arts and a professional school may shorten the time required to secure both an academic and a professional degree.

Credit toward a bachelor's degree for studies pursued in a professional school is in all cases restricted to work done in the schools of Northwestern University, but time spent in a professional school cannot be counted toward meeting the requirements of one year of residence in the College of Liberal Arts demanded of all candidates for a degree.

PREPARATION FOR MEDICINE

The Bachelor's Degree and the Medical Degree in Seven Years—Students enrolled in the College of Liberal Arts who are intending to enter the Medical School, and who desire to shorten the time required for degrees in both Arts and Medicine, may elect the remainder of their work in the Medical School after they have secured ninety hours of credit, provided this credit includes all the required studies for the bachelor's degree, as shown on pages 76 and 77, and fulfils the requirements for a major and a minor. If the student's work is properly planned this preliminary credit can be secured in three years.

Under this provision students may give full time during their fourth year of residence to work in the Medical School, but their registration in the College of Liberal Arts must be continued during this fourth year as if in regular attendance. A certificate from the Medical faculty that a full year's work has been satisfactorily accomplished is accepted by the College as completing the one hundred and twenty hours required for the bachelor's degree. Credit is not accepted from the Medical School for subjects for which credit has already been given in the College.

This plan of combined courses makes it possible to secure both degrees in seven years, three in the College and four in the Medical School. For all work done in the Medical School the fees of that school must be paid.

On the other hand, certain courses offered in the College of Liberal Arts cover corresponding courses in the Medical School, and may be taken for credit in that school. Students who have had an elementary course in Physics and who complete Chemistry A and B, and the second semester of Chemistry C, Volumetric Analysis, in the College laboratories are given credit for Chemistry a, b, c, d, e, f, that is, for first year Chemistry in the Medical

School. Those who complete Zoölogy A, B1, C, and D receive credit for Histology and Embryology a, b, c, d, e, and Physiology a, b, c, d, e, in the Medical School. Students who include these courses in their college program may transfer to the Medical School at graduation with approximately a year of advanced credit. They can thus complete the Medical course in three years, securing both degrees in seven years, four in the College of Liberal Arts and three in the Medical School. Common credit for the two degrees will not be allowed to such an extent as to make it possible for the student to secure both degrees in less than seven years and a student intending to spend but three years in actual attendance upon lectures in the Medical School must register in that school as a medical student at the beginning of his fourth year in College.

PREPARATION FOR LAW

The Bachelor's Degree and the Law Degree in Six Years—A student in the College of Liberal Arts who has secured ninety hours of credit, including the required studies described on pages 76 and 77, and the requirements for a major and a minor, may transfer to the Law School at the end of his third year and complete there the work for the collegiate bachelor's degree. The satisfactory completion of the first year of the Law School course, as certified by the faculty of that school, is deemed sufficient to make good the remaining thirty hours of credit required for the Liberal Arts degree. Students so transferring, however, must continue their registration in College during their fourth year as if in regular attendance, and they pay the Law School fees.

A full four year-course in College is recommended by the faculty of the Law School as preparatory to the study of law, and students are urged in any case to complete as much as possible of a full College course before entering the Law School. The following program, which meets the requirements for a bachelor's degree, is suggested by the Law School faculty as best adapted to the needs of Law students:

First Year—Mathematics A1, 3 hours; English Language A, 3 hours; Latin A, 3 hours; Chemistry A or Physics A, 4 hours; History A, 3 hours.

Second Year—English Literature A, 2 hours; German A, 3 hours; English Language B, 2 hours; Latin B, 3 hours; History B, C or BC, 2 or 3 hours; Economics A, 3 hours.

Third Year—Latin C, 3 hours; English Language F, 2 hours; History E and N, or S1, 5 hours; Economics B6 and C3, 5 hours.

Fourth Year—Latin F, 2 hours; English Literature D, H, or I, 2 or 3 hours; History K, 2 hours; Philosophy A1, 3 hours; Economics C1 and C2.

PREPARATION FOR DENTISTRY

Students in the College of Liberal Arts who intend to take up the study of Dentistry are advised to pursue courses in Latin, English, Mathematics,

and the Sciences, including Physics. Those who have completed Zoölogy D, Zoölogy C, Chemistry A, and Chemistry B, will be given advanced credit in the Dental School for Physiology a, b, c, d, Histology a, b, c, and Chemistry a, b, c, g.

PREPARATION FOR THEOLOGY

Students in the College of Liberal Arts who have sixty semester hours of credit and who wish to shorten the time for securing degrees in Arts and Theology, may elect certain courses in Garrett Biblical Institute to the amount of thirty semester-hours, thereby reducing the time for the two degrees by one year.

Courses in the Institute open to College students are listed on page 118.

Since exegesis is an important part of a theological course, students contemplating the study of Theology should secure while in College a ready command of the Greek and Hebrew languages. A knowledge of German also will prove serviceable.

PREPARATION FOR PHARMACY

Students who have secured ninety semester hours of credit in the College of Liberal Arts, including the prescribed courses for their degree, and the requirements for a major and a minor, may enter the School of Pharmacy, and fulfil the total requirements for the bachelor's degree by satisfactorily completing the work of the first year in the course for the degree of Pharmaceutical Chemist.

Credit in the College of Liberal Arts for work done in the School of Pharmacy may not exceed thirty semester-hours, and it may not include any items for which credit in the College has already been secured. Students taking work in the School of Pharmacy must pay the fees of that school.

PREPARATION FOR BUSINESS OR THE PUBLIC SERVICE

Students preparing for a business career or wishing to enter the public service will find ample opportunity for study along helpful lines in the departments of Economics and History. The program of required studies for the bachelor's degree permits the student to devote to special study in these departments nearly the whole of the third and fourth years, and some time also in the first and second years.

The following schedule of courses is suggested for such students:

First Year—Mathematics A1, 3 hours; English Language A, 3 hours; French or German, 3 hours; Chemistry A or Geology A1, 4 hours; History A, 3 hours.

Second Year—German or French, 3 hours; English Literature A, 2 hours; Economics A, 3 hours; History, 3 hours; Elective work, 4 hours.

Third Year—Physics or other science, 4 hours; Spanish, 3 hours; History, 3 hours; Economics, 5 or 6 hours.

Fourth Year—History, 3 hours; Economics, 6 hours; Geology A2, 4 hours; Elective work, 3 hours.

PREPARATION FOR FOREIGN SERVICE

Students who wish to prepare for the consular or other foreign service will find ample opportunity for helpful study in the departments of Modern Languages, Economics, and History. The program of required studies for the bachelor's degree permits the student to devote to study in these departments a very large proportion of his time.

Students preparing for the foreign service are advised to secure a good reading knowledge of two modern languages besides English, an acquaintance with the elements of two sciences, and a thorough grasp of those subjects required in the United States' consular examinations. The most important of these are: French, German, or Spanish; the resources, commerce, history and government of the United States; the elements of political economy, trade statistics, and international, commercial, and maritime law; political and commercial geography; modern history, since 1850, and diplomacy of Europe and the Far East.

The following schedule of courses is suggested for such students:

First Year—Mathematics A1, 3 hours; English Language A, 3 hours; French or German, 3 hours; Chemistry A, 4 hours; or Geology A2, 4 hours; History A or E, 3 hours.

Second Year—German or French, 3 hours; English Literature A, 2 hours; History BC, 3 hours; Economics A, 3 hours; Elective Work, 4 hours.

Third Year—Physics or other science, 4 hours; Spanish, 3 hours; History G, 3 hours; History N, 3 hours; Economics B2, 3 hours.

Fourth Year—History K, European Diplomacy, and S1, American Diplomacy, 4 hours; Economics B6, Administration, 3 hours; Economics B1, Industrial History and Commercial Geography, 2 hours; Economics C2, Public Finance and Taxation, 2 hours; or Economics C3, Private and Corporation Finance, 2 hours; Elective Work, 3 hours.

PREPARATION FOR TEACHING IN SECONDARY SCHOOLS

Students expecting to teach in secondary schools will find it advantageous to elect in College a considerable number of courses having a professional bearing. A major should be taken in the department in which the student wishes to be specially qualified, and a minor, or if possible a second major, in a closely related department. Beginners in high schools are frequently required to teach more than one subject and it is a wise precaution to be qualified in at least two departments. The courses in the Department of Education are designed to meet the needs of students seeking an acquaintance with the progress of education and the development of educational theory as liberal culture as well as for those desiring professional training for teaching.

The following schedule is suggested for prospective teachers:

First Year—English Language A, 3 hours; Mathematics A1, 3 hours; two of the following: Latin A, Greek A, French A, German A, 6 hours.

Second Year—English Literature A, 2 hours; Education A, General History of Education, 3 hours; Science, 4 hours; Elective, including a course in the major subject and also a course in the minor subject, 7 hours.

Third Year—Psychology A, General Psychology, 3 hours; Education B or J, 3 hours; major subject, 3 hours; minor subject, 3 hours; Elective work, 3 hours.

Fourth Year—Education C, D, or H, 2 hours; major subject, 6 hours; Elective work, which may well include work to complete a second major, 7 hours.

Special Testimonial for Prospective Teachers—To meet the increasing demand on the part of School Boards for teachers who have had professional training, the College Faculty has authorized the issuance from the Registrar's Office, on request, of a testimonial supplementary to the Bachelor's diploma, bearing the signatures of the Registrar and the Secretary of the Faculty, and certifying that the applicant has completed with satisfactory credit certain enumerated courses in Education and Psychology. The testimonial further specifies the department or departments in which the applicant has completed the major or minor requirement, and which he is deemed competent to teach.

Only those persons are eligible to this testimonial who have completed the requirements for a degree, including at least the minor in Education, and one course in Psychology.

Graduate Studies

Advanced courses of study adapted to the needs of graduate students are offered by the various departments as announced in the general list of courses. These courses are in excess of the requirements for an undergraduate major, and may be pursued either with or without reference to an advanced degree. They are open to properly qualified candidates from this and from other universities.

The conditions under which students may register for graduate work are given below, and the regulations affecting advanced degrees may be found on pages 125 and 126. The work of such students is under the supervision of a standing committee of the Faculty, but in general a graduate student may pursue any study for which, in the judgment of the instructor in charge, he has adequate preparation.

Following are the rules governing graduate registration:

1. Resident candidates for a Master's degree must register not later than the tenth of October next preceding the date of the final examination. Residence requires regular attendance upon all prescribed lectures or other exercises in the courses which the candidate pursues, and such prescribed

lectures and exercises must occur at least once a week in each course of instruction.

2. A student desiring to become a candidate for a Master's degree while enrolled in one of the professional schools of Northwestern University, or in Garrett Biblical Institute, under Rule 4, page 125, must register in the College of Liberal Arts as a graduate student by the date fixed in the preceding paragraph, and upon such registration he is regarded as a resident candidate.

3. A graduate of a professional school desiring to become a candidate for a Master's degree, under Rule 4, page 125, must register in the College of Liberal Arts as a graduate student as early as the tenth of October next following the completion of the professional course.

4. A candidate for a Doctor's degree must register not later than the tenth day of October next preceding the date of the final examination.

5. A candidate for an advanced degree must furnish the Registrar with all data required for the record of his application, and with a statement of the courses of study he proposes to pursue. His application and the statement of courses must be approved by the Committee on Graduate Study and by the heads of the departments in which the work is to be taken.

6. Graduates of this, or of any other college, not candidates for an advanced degree, may with the consent of the departments concerned and the approval of the Committee on Graduate Study, register as resident students in such advanced studies as they are found qualified to pursue.

Requirements for Degrees

THE BACHELOR'S DEGREE

The programs of study described on pages 76 and 77 lead to the degrees of Bachelor of Arts and Bachelor of Science respectively.

1. The candidate for a Bachelor's degree must file with the Registrar, on or before the last Saturday in May in the year next preceding that in which he expects to obtain the degree, an application for such degree on a form provided by the University.

2. He must have pursued studies in residence in the College of Liberal Arts of Northwestern University for at least one college year before the degree can be conferred.

3. He must complete all the prescribed courses for the degree sought, and, in addition, elective courses sufficient to make a total credit of one hundred and twenty hours. The courses completed must include the major work in at least one department and the minor work in at least one other department.

4. Of the total credit presented for the degree, not more than one-fifth of the work done under the College Faculty may be of grade D.

5. No student who has not removed all entrance conditions by the first

of October in any year and secured on record a total of at least eighty-four hours of credit including the required studies of the first year can be recognized as a candidate for a degree at the close of that year.

THE MASTER'S DEGREE

A Master's degree may be conferred on a Bachelor of Northwestern University, or of any other institution of accepted grade, under the following regulations:

1. The candidate must have pursued studies in residence in the College of Liberal Arts of Northwestern University for at least one year, except as stated below.

2. A Bachelor of Northwestern University may become a non-resident candidate for the corresponding Master's degree after having completed one-half year of graduate work in residence, but in such case the remaining half-year of work, if done out of residence, must be extended over at least two semesters. Graduates of other institutions are not admitted as non-resident candidates for a degree.

3. A Bachelor of Northwestern University, or of another institution of accepted grade, may become a candidate for a Master's degree while pursuing studies in the Medical School or Law School of this University, or in Garrett Biblical Institute, or upon the completion of the professional course in one of these schools, subject to the provisions of Rules 2 and 3 on page 124.

4. The candidate for a Master's degree must present credit in approved courses of study amounting to thirty semester hours. If he is enrolled in one of the professional schools above enumerated, or is a graduate therefrom, he must present credit amounting to twelve semester hours of advanced work in an approved field, in addition to the maximum prescribed professional course.

This advanced work may be taken either under the Faculty of the College of Liberal Arts or under the Faculty of the professional school, but in either case it must be approved by the Committee on Graduate Study of the College of Liberal Arts.

5. At least one-half of the work offered for a Master's degree must be chosen from one or at most two departments of study in which the candidate has previously completed the undergraduate major work or its full equivalent.

6. The candidate must present a thesis on an approved topic pertaining to his primary subject. The subject of his thesis must be filed with the Registrar not later than the first Wednesday in December; and the thesis itself must be filed with the registrar not later than the second Saturday of May. It shall be printed or typewritten in prescribed form and a copy shall be furnished to the library of the College of Liberal Arts.

7. A candidate for a Bachelor's degree who during his undergraduate course devotes excess time to the continuation of his major subject, or to

other advanced topics approved by the Committee on Graduate Study, may for such work receive credit toward a Master's degree; but in no case will the Master's degree be conferred in less than one year after the conferring of the Bachelor's degree.

8. A non-resident candidate for a Master's degree will be required, at stated times, to make written reports on the progress of his work.

9. The final examination of the candidate for a Master's degree takes place at the University at an appointed date, about May 20. The examination is conducted by a committee composed of the head of the department in which the student has done his primary work and not less than two other members of the Faculty chosen from the same or from related departments. The committee in the case of a candidate doing work in a professional school shall include two members of the Faculty of the College of Liberal Arts.

THE DOCTOR'S DEGREE

The degree of Doctor of Philosophy is conferred under the following regulations:

1. A candidate for the degree of Doctor of Philosophy must have received the Bachelor's degree from Northwestern University, or from some other institution of accepted standing.

2. The degree may be conferred on successful candidates after three years of graduate study, of which at least two must be in residence. The last year, or the first two years, must be spent in residence at Northwestern University. The period of three years may, however, be shortened in the case of students who, as undergraduates, have pursued special studies beyond the requirement for major work in the direction of their proposed graduate work. Study for a specified time will in no case be regarded as sufficient ground for conferring the degree, but in all cases high attainments in scholarship and evidence of capacity for original investigation are demanded.

3. The candidate must give two-thirds of his time to advanced work in one department of study which shall constitute his primary subject, and the remaining time to either one or two secondary subjects. The requirement "advanced work" implies preliminary study in the given subject equivalent to at least an undergraduate major in that department.

4. The candidate must have a reading knowledge of French and German as a preliminary qualification but in exceptional cases an equivalent in Latin, Greek, or Hebrew may be accepted instead of French.

5. The candidate must present a thesis upon an approved topic pertaining to his primary subject which gives evidence of original investigation. A revised typewritten copy of the thesis in prescribed form must be filed with the Registrar as early as the Saturday next preceding the last Monday in April. If the thesis is approved, the candidate must, within such time

as shall be designated, present twenty-five printed copies to the University Library.

6. The final examination, which is both written and oral, is held about May 20, and covers the entire primary subject, including the topic of the thesis. The secondary subject, or subjects, may be discontinued when the candidate has fulfilled the requirements of attendance at lectures and has passed the necessary written examinations.

SPECIAL REGULATIONS AFFECTING THE DOCTOR'S DEGREE

Students in Garrett Biblical Institute may become candidates for the degree of Doctor of Philosophy under the following special regulations. The general regulations affecting examinations, theses, and a knowledge of foreign languages apply to these candidates.

1. The candidate must have completed a course for a Bachelor's degree, the sufficiency of which has been accepted by a joint committee of the Faculty of the Institute and of the Faculty of the College of Liberal Arts.

2. He must have completed two full years of theological study, either in Garrett Biblical Institute or in another theological school of recognized standing.

3. He must thereafter be accepted as a candidate for the degree of Doctor of Philosophy by a vote of the Faculty of the Institute, and must be registered as a candidate for such degree with the College of Liberal Arts; he must then continue in residence at least two years, and must complete the work of two full years. Of this work two-thirds must be taken in one department of the Institute; the remaining one-third may be taken in not more than two departments of the Institute or of the College of Liberal Arts. During these two years of residence the candidate is subject to the direction of the head of the department in which his primary work is taken. The whole course of study is subject to the approval of the faculty of the College of Liberal Arts through its Committee on Graduate Study.

4. Of the four years required for a degree of Doctor of Philosophy, three at least must be spent in residence at a theological school of high standing, and the last two must be spent in Garrett Biblical Institute.

Prizes and Honors

FELLOWSHIPS

University Fellowships—For the promotion of graduate study and research, the University awards fellowships of three hundred dollars each. These are assigned from year to year to various departments according to the merits of the applicants and the conditions of the departments. In 1909-1910 ten such fellowships were awarded.

Fellowships are open to men and women, alike, whether graduates of

this University or of other institutions, and appointments are made for one year.

Fellows do not pay tuition fees, but may be required to give limited assistance in the work of the department, not, however, to such an extent as to interfere with the primary purpose of the fellowship. Fellows entering from other institutions must pay the matriculation fee.

Applications for appointment as Fellow must be made not later than the first of April. Awards are made not later than the first of May. Blank forms for applications may be had from the office of the Registrar.

The Woman's Club Fellowship—The Woman's Club of Evanston has established a fellowship of three hundred dollars a year for the promotion of research in the field of Household Economics. The fellowship is open to women graduates of any college of accepted rank and the appointment carries with it free tuition, but the holder is expected to render limited assistance in the work of the Woman's Club along lines closely related to her studies. The appointment is made by the President of the University early in September. Applications, accompanied by full information as to the character and training of the applicant, and by an outline of the work proposed, should be in hand before the first of September.

University Settlement Fellowship—This fellowship yields an income of three hundred dollars, contributed by the students of the College of Liberal Arts, and carries exemption from tuition fees. The holder is required to reside in the Northwestern University Settlement.

SCHOLARSHIPS

The following scholarships are awarded annually to meritorious undergraduates in the College of Liberal Arts. Applications for appointment should be made to the Dean of the College not later than the first day of May in each year.

Catherine M. White Scholarships—From a bequest of nine thousand dollars under the will of Catherine M. White, of Evanston, there have been established three scholarships paying full undergraduate tuition fees. The recipients hold themselves responsible for limited clerical service.

Methodist Episcopal Church Scholarship—This scholarship, yielding annually the interest on seven hundred and fifty dollars, was founded by the First Methodist Episcopal Church of Evanston for the benefit of a meritorious student, and is awarded by the officers of the church.

University Guild Scholarship—This scholarship, founded by the University Guild of Evanston, affords to a young woman an income equal to the tuition fee in College. The holder is responsible for certain duties in the Guild Rooms.

First Year Scholarships—Fifty scholarships are awarded annually to select members of the incoming class, upon applications endorsed by the principal and faculty of the secondary school from which the applicant

graduates. The applicant must meet the full entrance requirements and must present certificates from the teachers in his secondary school for excellence of character, physical vigor, manliness, and promise of usefulness as a citizen. The award is made at the University by a committee of the College faculty.

Marcy Scholarship in Biology—The University has at its disposal a table at the Marine Biological Laboratory, Wood's Holl, Massachusetts, for the use of advanced students from the biological department of the College of Liberal Arts. The occupants of this table are entitled to all the privileges of the laboratory, including instruction, lectures, and the use of appliances and apparatus.

Colonial Dames Scholarship—To encourage the study of American History and to promote the spread of American principles among the youth of Chicago, especially among those of foreign birth or parentage, the Society of the Colonial Dames of America in the State of Illinois has established a scholarship affording to the holder one hundred and fifty dollars annually. Competition for this scholarship is open to graduate and advanced undergraduate students and the award is based on a knowledge of American History and the ability to interest others in that study. The successful contestant is required to conduct a class in American History and Civil Government one evening a week, for boys and young men in Northwestern University Settlement, Chicago. At the time the award is made candidates shall have completed Courses H and BC in History, and they shall pass a qualifying examination in the subject matter of these courses. The award shall be made on the basis of this qualifying examination and the general fitness of the candidates to meet the aims of the scholarship.

The American School of Classical Studies at Rome—The University is a contributor to the American School of Classical Studies at Rome, and is represented on its Board of Managers by a member of the Faculty. The school affords facilities for archæological and classical investigation and study in Rome, and graduates of the University are entitled to its advantages without tuition fees.

PRIZES

The following prizes are open to candidates for a degree in the College of Liberal Arts. A successful contestant may not again compete for the same prize. Unredeemed failures in more than one department of study at the time for appointing contestants prohibit a student from competing for any prize.

The John B. Kirk Prize in Oratory—This prize of one hundred dollars was established in 1877 by Mr. James Kirk of Evanston, and is now the gift of Mrs. John B. Kirk. It is awarded each year for excellence in original oratory, under the following regulations:

1. Orations submitted in competition must not exceed two thousand words and must be typewritten.

2. They must be deposited with the Registrar not later than noon of the first day of February.

3. Any student of the University who has not received a bachelor's degree is entitled to compete.

4. The four contestants receiving from a committee of the Faculty the highest marks in thought and composition for their original orations shall receive the sum of fifteen dollars each and shall be entitled to participate in a public contest.

5. The public contest shall be held on the evening of the second Friday in March. The contestant who receives the highest marks in this contest, special emphasis being laid upon interpretation and delivery, shall receive the additional sum of forty dollars and shall be entitled to represent the University in the Northern Oratorical League.

6. The successful competitor in the public contest shall be known as the Kirk Prize winner, and the names of the remaining three contestants shall appear in the University publications as receiving honorable mention. The winner of the Kirk Prize shall present to the donor a typewritten copy of his oration.

The Harris Prize in Political and Social Science—A prize of one hundred dollars, the gift of Mr. Norman Wait Harris, of Chicago, is awarded to the writer of the best essay on an assigned topic in the department of Economics, Finance, and Administration.

1. No undergraduate student is eligible for this prize unless he shall have completed at the time of making the award the equivalent of Course A and at least three additional year-hours in Economics.

2. Essays offered in competion must contain not less than ten thousand words, and be either printed or typewritten. If typewritten, they must be on letter paper of a good quality, of quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound without injury to the writing. On the title-page of each essay must be written an assumed name, and under cover with the essay must be sent a sealed letter containing the real name of the writer and superscribed with his assumed name.

3. The copies of all essays submitted for this prize become the property of the University, and the essay receiving first place shall have endorsed upon it a certificate of that fact.

4. An essay submitted in competition must be deposited with the Registrar of the College before twelve o'clock noon on May 1.

5. The Faculty appoints three judges and the award is made for the essay declared to be the best by at least two of the judges, provided that the University reserves the right to make no award if, in the opinion of the majority of the judges, the best essay shall not be of sufficient merit.

The Gage Debate Prizes—Prizes aggregating one hundred dollars are given annually by the Honorable Lyman J. Gage for excellence in debate.

The recipients of these prizes are selected through a series of debates, held in the autumn of each year, to which students from all departments of the University are eligible. The winners of the Gage prizes become the representatives of the University in the annual contest of the Central Debating League.

The Sargent Prizes in Public Speaking—Two prizes of fifty and twenty-five dollars, respectively, endowed by Mr. George M. Sargent, of Evanston, are given for excellence in public speaking.

1. Eight candidates are appointed by the Faculty from students who have completed not less than fifty hours of college work including Elocution B.

2. At least one of the prizes must be given for an oratorical effort. A declamation may not exceed twelve hundred words.

3. No prompting of the speakers will be allowed, and a failure of memory will exclude a competitor from consideration.

4. The award is made by a committee appointed by the Faculty, but composed of persons who are not members of that body.

The Orrington Lunt Prize—A prize of one hundred dollars, established in 1908 by Cornelia Gray Lunt, in memory of her father, Orrington Lunt, is awarded annually to the writer of the best essay on a subject in the departments of English Literature and History. The subject is assigned in the respective departments in alternate years. At the time of the award, the writer must have completed the major course of study in the related department. The essay should be typewritten, signed by an assumed name, and accompanied by the real and the assumed name in a sealed envelope. It must be deposited with the Registrar not later than May 1. If no essay of sufficient merit is presented, the prize will not be awarded.

Regulations Affecting Students

RESIDENCE

Men students find comfortable homes in private families within easy reach of the College. Some live in chapter houses, maintained by the fraternities.

Women students, wherever they reside, are under the supervision of the Dean of Women and are expected to conform to the general regulations prescribed for the conduct of those living in the Halls. They are required to room in one of the Halls provided for them, unless special exemption is granted.

Willard Hall, the largest of the three women's dormitories, is under the immediate oversight of the Dean of Women, who lives in the building. For information respecting Willard Hall inquiries should be addressed to Willard Hall, Evanston, Illinois.

Pearsons Hall and Chapin Hall are in charge of an association of women

residents in Evanston, incorporated as the Woman's Educational Aid Association. This association considers the claims of applicants for admission and has a friendly supervision over the residents. The lighter housework of Pearsons and Chapin Halls is done by the young women residing in them, under the direction of a competent matron. In this way the expenses of living are materially reduced. For information respecting Pearsons Hall or Chapin Hall, inquiries should be addressed to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston, Illinois.

REGISTRATION

Every undergraduate student is required to register in person at the office of the Registrar before entering upon College work.

The registration days are the first Tuesday, Wednesday, and Thursday of each semester. The student not registered at the close of this period is subject to a fee of two dollars for later registration.

On the registration days of the first semester the student must register for the work of the whole year. Changes may be made only with permission from the Committee on Registration and from the student's adviser.

Each student is required to register for fifteen hours of work a week, unless permission has been obtained from the Committee on Registration to register for less or more. Prescribed studies take precedence of elective studies in the order in which they are prescribed. Two hours of laboratory work are credited as one hour. No credit is given for work not regularly registered.

Permission to register for more than fifteen hours will not be granted unless the committee is satisfied that the student can carry the whole work creditably. A student engaged in outside work making a serious drain on his time or energy may not register for more than twelve hours.

If entrance conditions are not removed before the beginning of the second year of residence, the work necessary to fulfill the entrance requirements must be included in the regular registration for that year, and the total registration may not exceed sixteen hours. The second year of a foreign language necessary to ensure admission credit for a first year of that language is treated as an entrance condition.

Before completing his registration, the student is required to consult his faculty adviser and his registration papers must state the full amount of work to be undertaken each semester, whether in the College of Liberal Arts or elsewhere, and must indicate the number of hours devoted to each subject, and the school or department in which it is to be taken.

Students of the College of Liberal Arts desiring to take work in any other School of the University must first obtain consent from the faculty of the College of Liberal Arts and from the faculty of the School in which the work is to be taken, and they must file such consent with the Registrar before

beginning the work. Failure to comply with this regulation will be deemed sufficient cause for cancellation of the entire registration.

At the time of registration the student obtains from the Registrar his tuition bill for the semester, which must be presented immediately at the Business Manager's Office for payment.

EXAMINATIONS

Regular Examinations—These are held at the close of each semester in the studies of that semester. Any student whose daily work has not been satisfactory may be excluded from examination at the option of the instructor.

Second Examinations—These are set for students who have been absent from a regular examination, or who have failed to receive a passing grade at a regular examination. Second examinations are held on the first Wednesday in the first semester, on the first Saturday in the second semester, and on the Monday following Easter.

No student may take more than one second examination for the same item of credit, and such second examination must be taken within nine months from the date of the regular examination at which credit should have been obtained. Students absent from the regular examinations of the first semester are admitted to the second examinations held in February, only in case of illness or other urgent necessity, and by consent of the instructor in charge.

Additional Examinations—Students absent from class exercises in excess of the limit are required to take additional examinations on the last Thursday of the first semester and on the last Friday of the second semester. Students absent from a required additional examination are held to take that examination at the next date set, and no credit can be given for the course until this examination is passed.

Special Examinations—Examinations may not be given at times other than those specified above without permission of the Faculty.

GRADES OF SCHOLARSHIP

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and is entered of record. Standing is expressed, according to proficiency, in grades A, B, C, D, E, F.

Grade A denotes superior scholarship; grade B, good scholarship; grade C, fair scholarship; grade D, poor scholarship; grade E, a condition which may be removed by a second examination; grade F, a failure removable only by repetition of the subject in the class. Work of grades A, B, and C is counted toward a degree. Work of grade D may also be counted toward a degree, but not more than one-fifth of the work done under the College Faculty offered to meet the requirements for graduation may be of this grade and no work of this grade may be counted toward a major.

Work reported as of grade E must either be made good at a second exami-

nation within nine months, or be taken again in the class-room if credit is to be obtained.

Work reported incomplete at the end of any semester, and not made good before the close of the next semester, can thereafter be given credit only upon a second examination taken under the conditions which apply to work reported as of grade E.

Students who do not take the regular examination in any subject at the close of the semester are reported absent, and credit for that subject can only be obtained by passing a Second Examination at a proper time, and only one such examination is allowed.

Undergraduates are not allowed credit for work done *in absentia*. Only those who have duly registered and have regularly pursued their studies in attendance at class are admitted to examinations.

The semester records of each undergraduate are sent by the Registrar to the student's father or guardian. Failure in any semester to secure grade A, B, or C for at least forty per cent of the work undertaken by him will necessitate a student's withdrawal from College.

ABSENCES FROM CLASS EXERCISES

Students are expected to attend all the regular exercises of the courses for which they are registered. Neglect of class attendance without sufficient cause is a misdemeanor and will be treated accordingly. If, however, for any cause full attendance is impossible, the following rules apply.

1. If a student be absent from more than one-eighth of the total number of assigned exercises, in any course, he will be required to take, on a fixed date, besides the regular examination at the close of the semester, an Additional Examination. The dates fixed for such examinations are the last Thursday of the first semester and the last Friday of the second semester.

2. When a student's absences in any course exceed one-sixth of the total number of assigned exercises in that course, his registration in that subject is cancelled, and the privilege of examination is denied. This rule is administered by the Committee on Registration, which has power to restore the cancelled registration at its discretion.

THE LIBRARY

The Library contains 74,247 bound volumes and approximately 50,000 pamphlets. It is open to officers of the University, and to students upon the payment of their regular semester bills, under the following regulations:

1. During the college year the Library is open, except on Sunday, from 8 a.m. to 10 p.m. In the summer vacation, except on Saturday afternoon and on Sunday, it is open from 8 a.m. until 12 noon and 1:30 p.m. to 5 p.m. The Library is closed on New Year's Day, the Fourth of July, Thanksgiving Day, and Christmas Day.

2. Officers of the University have direct access to the shelves and are entitled to the first use of books.

3. Students may draw from the Library three volumes at a time, and these may be kept for two weeks unless specially restricted. Graduate students may have six volumes at a time.

4. The book stacks are not open to the students in general or to the public; but cards of admission may be given by the Librarian on recommendation of an officer of instruction.

5. Reserved books in the reading room and the seminary rooms are withdrawn from circulation at the request of officers of instruction for the use of their classes. The books reserved in the reading room and other books of reference, are placed on open shelves freely and equally accessible to all readers; or, when much in demand, they are kept at the desk, and delivered on application there. These books are on no account to be taken from the reading room, and must be used with due regard to the rights of others.

6. Persons not members of the University are allowed the use of the reading room at the discretion of the Librarian. Persons introduced by an officer of the University may be permitted to take books for a short period on the officer's account, or may be granted the privileges of the Library upon written application endorsed by an officer of the University.

THE GYMNASIUM

The new gymnasium which is at present in process of building at a cost of approximately $250,000, through the generosity of Mr. James A. Patten of Evanston, is one of the largest and best equipped in the country.

Regular classes are under the supervision of competent instructors and are open to men and women. The student upon entering gymnasium classes undergoes a physical examination, and his health, strength, muscular development, and physical defects are carefully noted. From these data, exercises, based on scientific principles, are prescribed to meet his individual needs and to give increased health, strength, and symmetry of body. See course in Physical Culture.

ATHLETICS

Athletic exercises and games participated in by students are under the supervision of the Director of Athletics and a Committee of the Faculty. The care and equipment of the athletic field, tennis courts, gymnasium, and the cost of necessary supplies and apparatus for athletic teams are provided for by the University.

Intercollegiate contests are governed by the regulations of the Western Intercollegiate Conference, of which the University is a member.

For a description of Northwestern Field see page 45.

RELIGIOUS WORSHIP

The charter of the University provides that "no particular religious faith shall be required of those who become students of this institution."

Students of the College of Liberal Arts are expected to attend public worship on Sunday in the church of their choice.

Chapel service is held at ten o'clock on each week day, except Saturday, throughout the college year. Attendance upon at least three-fifths of these services is required.

When a student's record of chapel credits is deficient as many credits as he is expected to secure in one-half of a semester, his registration in all studies is cancelled, and it may be restored only on the recommendation of the faculty committee on chapel attendance.

GOVERNMENT

Students are temporary residents of the City of Evanston, and as such are amenable to the laws of the state and to the ordinances of the city. They are also subject to the rules and regulations made by the Faculty and are held to have a knowledge of all Faculty requirements published in the catalogue, or otherwise brought to their attention.

Students may be separated from the institution whenever in the opinion of the Faculty they are pursuing a course of conduct seriously detrimental to themselves or to the University. The University will tolerate neither idleness nor dissolute habits.

SOCIAL ENTERTAINMENTS

Permission for a party or social entertainment at which men and women are to be present, to be held by an organization or group of students, must be obtained beforehand from the Committee on Social Life of Students. The conditions under which the party or entertainment is held are subject to the approval of the committee.

MUSICAL CLUBS

Student musical organizations are under the supervision of a standing committee of the Faculty. The chairman of the committee must be informed of the intended organization of any such association, and must be furnished with a statement of its plans, purposes, and membership. Formal organization is not permitted without the knowledge and sanction of the committee. Business managers of such organizations must not make arrangements for public appearances of the clubs without the consent of the committee. Concert dates will not be permitted to interfere with examinations, or to interrupt the routine of study. Students with delinquent standing are not allowed to retain connection with musical organizations.

STUDENT ORGANIZATIONS

Northern Oratorical League—The oratorical associations of Northwestern University, the University of Michigan, the University of Wisconsin, the University of Iowa, the University of Chicago, the University of Minnesota, and Oberlin College compose the Northern Oratorical League. The

purpose of this organization is to promote an interest in public speaking and to elevate the standard of oratory, by holding annual contests. The contests of the League are open only to undergraduates.

Central Debating League—The students of the University of Michigan, the University of Chicago, and Northwestern University are organized into a debating league in which representatives of each university meet annually, in January, representatives of each of the others in public contest. In these contests a single question is debated each year.

The Hinman Literary Society—This society was organized in 1855, during the first year of the work of the college, and has had a continuous existence. It was named in honor of the first President of the University, the Reverend Clark T. Hinman. It meets on Tuesday evenings throughout the year.

The Adelphic Literary Society—This society was first organized prior to 1867, and maintained a prosperous existence for over twenty years; it then ceased to be active, but was reorganized in 1897. It meets on Thursday evenings. Two prizes of twenty and fifteen dollars, the gift of Dr. M. C. Bragdon of the class of 1870, are competed for annually by its members.

The Rogers Debating Club—This society was organized in 1897, and was named in honor of Henry Wade Rogers, then President of the University. It meets on Thursday evenings. Three prizes, the gift of Mr. William Deering, are offered annually for competition among its members.

The Cleosophic Literary Society—This society for men was organized in 1905. Besides the weekly program of the society, a prize competition in debate is held annually.

Alethenai and Eulexia Literary Societies, for women, were organized in 1903.

Anonian, Calethea, and Laurean Literary Societies, for women, were organized in 1905.

The Aleph Teth Nun Society is an organization of men for the study of political and social problems. It meets weekly and is frequently addressed by persons prominent in public life.

Christian Associations—A Young Men's Christian Association and a Young Women's Christian Association are in active operation in the College, and exert a helpful influence upon the religious life of students. The Men's Association has headquarters at University Hall, and the Women's Association, at Willard Hall. Each association employs a general secretary and maintains a bureau of self-help for students seeking employment. Under the direction of these organizations, religious meetings are held each week, and study of the Bible is promoted.

For a list of the officers of the Christian Associations of the College of Liberal Arts, see University Societies, page 301.

As auxiliaries to the Christian Associations there have been organized two societies—the Student Volunteer Band, composed of young men and

women who have volunteered for foreign missionary service, and a society known as the Oxford Club whose membership is composed of young men preparing for Christian service as ministers or as Association secretaries.

The Woman's League—The Woman's League is an organization having as its purpose the consideration of matters of interest to college women. It is composed of women students, alumnæ, and other women actively interested in the University.

Fees and Expenses

Matriculation Fee—Every student on first entering the College of Liberal Arts is required to pay a matriculation fee of five dollars. This fee is paid but once and is not returnable.

Fees for Undergraduates—At the beginning of each semester undergraduate students are required to pay fees for instruction and incidentals as shown in the following table. Upon payment of his semester bill the student is entitled to all the general privileges of the College. He may take any course for which he is qualified under the regulations affecting registration, but in certain laboratory courses he is required to pay additional fees as shown below.

SCHEDULE OF UNDERGRADUATE FEES FOR EACH SEMESTER

Regular full tuition and incidentals	$50.00
Sons and daughters of ministers	30.00

Reduced rates of tuition are given only to sons and daughters of clergymen who are actively pursuing the work of the ministry.

Students pursuing a single study, i. e., work not exceeding five hours a week	30.00
Sons and daughters of ministers pursuing a single study	22.00
Holders of old-time perpetual or transferable scholarships, for incidentals	22.00

Fees for Graduate Students—The tuition fees for graduate students, whether resident or non-resident, are determined by the number of hours of instruction taken. The fee for a lecture, or seminary, or laboratory course is five dollars a year for each year-hour of credit; the total amount of tuition fees in any one year shall not exceed forty dollars.

Fees for Students Registered in two Schools—A student whose primary registration is in another School of the University, or in Garrett Biblical Institute, pays the fees of that department and may register in the College of Liberal Arts for such courses as may be approved by both faculties concerned without additional fees for tuition. The matriculation fee is paid but once, on the student's first admission to the University, but laboratory and other special fees are chargeable for any courses taken. Students in the Evanston Academy taking courses in College not required for admission, pay regular college fees.

Laboratory Fees—Students pursuing laboratory courses are charged additional fees. These are to cover the cost of materials and the use of special apparatus. They are not refunded if the student continues in a course as long as two weeks, except that in the Chemical Laboratory the fee is in the nature of a deposit, where an account is kept of the material used, and the unexpended balances, at the end of the year, are returned to the student. In all departments students are chargeable for unnecessary breakages. The laboratory fees for each semester are as follows:

CHEMISTRY

Course A	$ 7.50
Other courses except Course E, each	9.00
Two courses taken concurrently	15.00

PHYSICS

Course A or B	2.00
Course C	3.00

ZOÖLOGY

Course A	3.00
Courses B1, B2, B3, C or D	2.00

BOTANY

Any Course	2.00

GEOLOGY

Course A1, A2, B3, B5, C3, or C4	2.00
Course B4	5.00

Graduation Fee—A fee of ten dollars is charged all persons taking any degree in the College of Liberal Arts. This fee is payable on the first day of May of the year of graduation.

Refunds—Fees for instruction or incidentals will not be refunded except in case of sickness. If a student withdraws before the middle of the semester, on account of his serious illness, one-half of his tuition fee will be refunded to him, on obtaining from the Dean a statement of honorable standing, and from a physician a certificate that his health will not permit him to remain in attendance.

Bills for fees are made out at the office of the Registrar in University Hall. Payment is made at the office of the Business Manager, 518 Davis Street, Evanston. Checks should be made payable to "Northwestern University," and all payments should be made in currency or in Chicago exchange.

BOARD AND LODGING

Students living in Willard Hall pay for board and room from $225 to $261 a year, according to the desirability of the room. Bills are payable quarterly in advance. All applicants for rooms sign a contract, guaranteed

by some responsible person not a college officer, to occupy the assigned room for the full college year or to secure a suitable substitute. A deposit of ten dollars is required at the time a room is assigned. This amount will be refunded at the end of the year or when the depositor has fulfilled her contract, or if the room is surrendered before the first of August five dollars will be refunded.

Bills for room and board are payable strictly in advance, and no deduction is made for absence, except in case of protracted illness.

Pearsons Hall and Chapin Hall are residences for women students of limited means, and applications for admission must be made to the Corresponding Secretary of the Woman's Educational Aid Association, Evanston. In these halls students pay for board and room $125.00 a year, in quarterly installments, at the beginning and at the middle of each semester. They are required to assist in the lighter housework.

Young men obtain board and lodging in private families at reasonable rates. Clubs are formed in which the cost of board is reduced to a minimum.

ESTIMATED ANNUAL EXPENDITURES

	LOW	AVERAGE	LIBERAL
Tuition fees	$100	$100	$100
Laboratory and other fees	5	10	20
Board, 36 weeks	126	144	180
Room, 9 months	45	72	108
Laundry	24	36	45
Text-books and stationery	10	18	35
	$310	$380	$488

LOAN FUNDS

The University receives annually a considerable sum of money to be loaned without interest to worthy students. Loans are made upon the recommendation of the Committee on Loan Funds. Satisfactory scholarship and promise of service are essential to securing such assistance.

SELF-SUPPORT OF STUDENTS

The University does not encourage students to enter college if entirely without resources. Especially is it undesirable that young women should enter college without funds if wholly dependent on their own efforts. It happens, however, every year that not a few students are able to help themselves very materially by their labor, while pursuing their studies. The Young Men's Christian Association conducts a bureau of self-help which is of great assistance every year in securing work for a large number desiring it. Inquiries sent to the Secretary of that Association receive careful attention.

Grounds and Equipment

THE CAMPUS

The University Campus has an area of about seventy-five acres, stretching for three-quarters of a mile along the shore of Lake Michigan. On the Campus are University Hall, Fayerweather Hall of Science, Dearborn Observatory, Fisk Hall, Memorial Hall, Annie May Swift Hall, Orrington Lunt Library, Swift Hall of Engineering, Old College, the old Gymnasium, Hatfield House, Heck Hall, and the new Gymnasium now nearly completed. Music Hall, Willard Hall, Pearsons Hall, and Chapin Hall are situated on Willard Hall Campus, distant from University Hall about three minutes' walk.

A description of the University grounds and buildings may be found on page 44.

THE MUSEUM

The Museum of the College of Liberal Arts contains large collections illustrative of anthropology, botany, geology, mineralogy, and zoölogy. These are of rare value in the work of instruction in the natural sciences. The mineralogical collection is in the department laboratory in the old Gymnasium; the other sections are on the fourth floor of University Hall but are not open to the public, for want of suitable rooms for display.

THE LABORATORIES

Botany—The Laboratory is on the third floor of University Hall. Tables, compound and dissecting microscopes, glassware, reagents, and lockers are provided for each student. Microtomes, incubators, and sterilizing apparatus are available for the advanced courses.

Chemistry—The Laboratory is located in Fayerweather Hall of Science and includes on the main floor: a lecture room seating sixty; a reading-room, a laboratory for general chemistry and for qualitative analysis, with forty-six tables; a laboratory for quantitative analysis, with twelve tables; a balance-room; the office and private laboratory of the professors; the assistants' room; on the ground floor: a general store-room, a room with four tables equipped with special conveniences for water analysis, a large laboratory for organic chemistry, an office and private laboratory.

Geology—The Laboratory is in University Hall and consists of five rooms on the fourth floor. In these rooms are: study collections of typical rocks, minerals, and fossils; photographs; geological maps; a large series of topographical maps; topographical and geological models; a geological library; petrographical microscopes; thin sections of rocks and minerals; several outfits for topographical and geological mapping, each consisting of

a plane table, alidade, aneroid barometer, hand level, and compass. In addition is an extensive collection, belonging to the Wisconsin Geological and Natural History Survey, including rocks and ores from the copper-bearing rocks of the Lake Superior region and the upper Mississippi Valley lead and zinc district.

Mineralogy—The laboratory is in what was formerly the gymnasium, and contains a collection of several thousand labeled minerals and a collection of unlabeled material for determination by students. The laboratory is furnished with glass and wood models of crystals, reflecting goniometer microscope, electrical slicing and grinding machine, and lantern slides illustrating mining and metallurgy. The assay laboratory is supplied with gas and coal furnaces, tools, balances, and reagents.

Physics—The Laboratory and Shops are in Fayerweather Hall of Science in rooms excellently adapted to their purpose and are well equipped with modern instruments, especially in the departments of acoustics, electricity, and light. The rooms for special purposes include a workshop in the basement; a room for spectroscopy, fitted with a curved grating; a drawing room; rooms for electric and magnetic work; a room for general optics; a photometric-room; several small rooms for individual work. In the court is a powerhouse with two engines, two motors, two dynamos, and a large storage battery which furnishes power to the laboratory.

Psychology—The Laboratory is in old College and consists of a general laboratory and apparatus room, dark room, research rooms, an office and reading room. The reading room is supplied with the most helpful books and periodicals on experimental psychology. The equipment includes everything necessary for purposes of demonstration in the course in general psychology, for an elementary laboratory course, and for certain typical researches. Additions are made from time to time, as the work demands.

The Zoölogical Laboratory—This Laboratory is in University Hall. It includes a large general room, a laboratory for vertebrate zoölogy, a seminary room, and department library, a room for advanced students, and a preparator's room. The equipment consists of a large number of excellent compound microscopes, microtomes of the most recent make, dissecting microscopes and instruments, incubators, aquaria, glassware, reagents, and other apparatus for elementary and advanced work in Zoölogy. The department is supplied with a full set of Leuckart's zoölogical charts and several sets of Ziegler's wax models.

DORMITORIES FOR WOMEN

Willard Hall is a large, substantial edifice containing a chapel and other public rooms, and large private apartments for one hundred twenty women. The rooms are well lighted and well ventilated, cheerful and attractive. The building is provided with fire escapes, and is heated by hot water.

Pearsons Hall and Chapin Hall are brick and stone buildings, convenient and well-furnished homes for women. Each hall affords accommodation for about sixty women. They are under the control of the Woman's Educational Aid Association of Evanston.

For further information in regard to the College of Liberal Arts, address the Dean of the College, Evanston, Illinois.

For blank forms of admission and for information in regard to entrance requirements and on all matters of record, address the Registrar of the College of Liberal Arts, Evanston, Illinois.

The Medical School

NORTHWESTERN University Medical School was organized in 1859 as the Medical Department of Lind University of Chicago; and its first annual course of medical instruction began October 9th, 1859. The active founders and permanent supporters of the school were Doctors Hosmer A. Johnson, Edmund Andrews, Ralph N. Isham, Nathan S. Davis, and William H. Byford, aided by Doctors David Rutter, John H. Hollister, F. Mahla, M. K. Taylor, and Titus Deville.

The Medical School occupied rooms in the Lind Block on the corner of Randolph and Market Streets until the fall of 1863 when Lind University released the Medical Faculty from all further obligations to remain a department of that institution. Being thrown on their own resources, the Medical Faculty erected a building on State Street near Twenty-second Street, and continued the Medical School under the name of the Chicago Medical College. In 1869 the Chicago Medical College became the medical department of Northwestern University. The College in 1870 moved its building on State Street to the corner of Twenty-sixth Street and Prairie Avenue. The building was now on the same ground as Mercy Hospital, which it adjoined. In 1890 Mercy Hospital needed the ground on which the college building stood for extensive additions and the College needed new buildings to accommodate its laboratories and growing dispensary. By the aid of Mr. William Deering land was purchased at the corner of Twenty-fifth and Dearborn Streets. Davis Hall and the present Laboratory Building were erected during 1892 on this land and were first used in the college year 1893-1894. In 1901 a splendid, fire-proof building was erected by the side of the Medical School for the use of Wesley Hospital. This building materially augmented the clinical opportunities that were available to the students in the Medical School. In 1905 the Medical School became an integral part of Northwestern University with which it had been affiliated since 1869.

Much of the success of the School is due to the benefactions of Mr. William Deering, Dr. Nathan S. Davis, and Dr. Ephriam Ingals, and to the wisdom and devotion of Dr. Nathan S. Davis, who served as Dean from 1901 to 1907.

The Medical School has been a pioneer in the advancement of medical education in the United States. It was the first American school to enforce a standard of preliminary education; to adopt longer annual courses of instruction; and to initiate, in 1859, the graded curriculum, in which the studies were assigned in logical order, and in which laboratory departments prepared the way for the practical clinical branches. The School is open to men only.

Abram Winegardner Harris, Sc.D., LL.D.
President

Arthur Robin Edwards, A.M., M.D.
Dean

Winfield Scott Hall, Ph.D., M.D.
Junior Dean

Charles Louis Mix, A.M., M.D.
Secretary of the Faculty

John Hamilcar Hollister, A.M., M.D.
Professor Emeritus of Clinical Medicine

Frank Seward Johnson, A.M., M.D.
Dean Emeritus; Professor Emeritus of Medicine and of Clinical Medicine

William Evans Casselberry, M.D.
Professor Emeritus of Laryngology and Rhinology

John Harper Long, M.S., Sc.D.
Professor of Chemistry, Director of the Chemical Laboratories

Emilius Clark Dudley, A.M., M.D.
Professor of Gynecology

John Edwin Owens, M.D.
Professor of Surgery and of Clinical Surgery

Nathan Smith Davis, A.M., M.D.
Professor of the Principles and Practice of Medicine and of Clinical Medicine

Edward Wyllys Andrews, A.M., M.D.
Professor of Surgery and of Clinical Surgery

Frank Taylor Andrews, A.M., M.D.
Clinical Professor of Gynecology

Joseph Zeisler, M.D.
Professor of Skin and Venereal Diseases

William Edward Morgan, M.D.
Clinical Professor of Surgery

Archibald Church, M.D.
Professor of Nervous and Mental Diseases and Medical Jurisprudence

Winfield Scott Hall, Ph.D., M.D.
Nathan Smith Davis Professor of Physiology

Arthur Robin Edwards, A.M., M.D.
Professor of the Principles and Practice of Medicine and of Clinical Medicine

Joseph Bolivar DeLee, A.M., M.D.
Professor of Obstetrics

John Benjamin Murphy, A.M., M.D., LL.D.
Professor of the Principles and Practice of Surgery and of Clinical Surgery

Samuel Craig Plummer, A.M., M.D.
Clinical Professor of Surgery

Albert Edward Halstead, M.D.
Clinical Professor of Surgery

Robert Bruce Preble, A.B., M.D.
Professor of Medicine

Frank Xavier Walls, M.D.
Clinical Professor of Pediatrics

Frederick Robert Zeit, M.D.
Professor of Pathology and Bacteriology

William Edward Schroeder, M.D.
Professor of Surgery and of Clinical Surgery

Thomas James Watkins, M.D.
Clinical Professor of Gynecology

Lester Emanuel Frankenthal, M.D.
Clinical Professor of Gynecology

Hugh Talbot Patrick, M.D.
Clinical Professor of Nervous and Mental Diseases

Charles Louis Mix, A.M., M.D.
Professor of Physical Diagnosis

Alfred Newton Richards, Ph.D.
Professor of Pharmacology

Louis Ernst Schmidt, M.S., M.D.
Clinical Professor of Genito-Urinary Surgery

Frederick Menge, M.D.
Professor of Laryngology and Rhinology

William Augustus Evans, M.S., M.D.
Professor of Sanitary Science

Brown Pusey, M.D.
Professor of Ophthalmology

John Gordon Wilson, A.M., M.B., C.M.
Professor of Otology

Isaac Arthur Abt, M.D.
Professor of Pediatrics

James Mitchell Neff, M.D.
Associate Professor of Surgery

Charles Bert Reed, M.D.
Assistant Professor of Obstetrics

Lucius Crocker Pardee, M.D.
Assistant Professor of Skin and Venereal Diseases

Julius Grinker, M.D.
Assistant Professor of Clinical Neurology

D'Orsay Hecht, M.D.
Assistant Professor of Nervous and Mental Diseases and Medical Jurisprudence

George Paull Marquis, M.D.
Assistant Professor of Laryngology and Rhinology

George Boyd Dyche, A.B., M.D.
Assistant Professor of Medicine

Paul Chester, B.S., M.D.
Assistant Professor of Medicine

Charles Addison Elliott, B.S., M.D.
Assistant Professor of Medicine

Achilles Davis, Ph.B., M.D.
Assistant Professor of Medicine

Walter Herman Buhlig, B.S., M.D.
Assistant Professor of Clinical Pathology and Librarian

Winfield Scott Harpole, M.D.
Assistant Professor of Clinical Medicine

Joseph Brennemann, Ph.B., M.D.
Assistant Clinical Professor of Pediatrics

Robert Tracy Gillmore, M.D.
Assistant Clinical Professor of Gynecology

Frederick Atwood Besley, M.D.
Assistant Professor of Surgery

Harry Mortimer Richter, M.D.
Assistant Professor of Surgery

Allen Buckner Kanavel, Ph.B., M.D.
Assistant Professor of Surgery

Charles William Prentiss, Ph.D.
Assistant Professor of Anatomy

Stephen Walter Ranson, Ph.D., M.D.
Assistant Professor of Anatomy

Fred Wilbur Thyng, Ph.D.
Assistant Professor of Anatomy

William Cuthbertson, M.D.
Associate in Gynecology

Walter Steele Barnes, M.D.
Associate in Gynecology

David Monash, M.D.
Associate in Obstetrics

Thomas Henry Lewis, M.D.
Associate in Gynecology

Henry William Cheney, M.D.
Associate in Pediatrics

William Robert Cubbins, B.S., M.D.
Associate in Surgery

Frank Ellis Pierce, M.D.
Associate in Surgery

Herbert Marion Stowe, M.D.
Associate in Obstetrics

Alexander Aaron Goldsmith, M.D.
Associate in Medicine

Luther James Osgood, M.D.
Associate in Medicine

Isaac Donaldson Rawlings, M.S., M.D.
Associate in Medicine

John Gaily Campbell, A.M., M.D.
Instructor in Clinical Pediatrics

Edward James Curran, M.D.
Instructor in Anatomy

William Clark Danforth, B.S., M.D.
Instructor in Surgery

George James Dennis, M.D.
Instructor in Laryngology and Rhinology

Frederick Charles Eggert, M.D.
Instructor in Operative Surgery

Edson Brady Fowler, A.B., M.D.
Instructor in Clinical Medicine

Charles Marvin Fox, M.D.
Instructor in Surgery

Frank Gephart, B.S.
Instructor in Chemistry

Harry Jackson, B.S., M.D.
Instructor in Histopathology

William A. Johnson, Ph. C.
Instructor in Chemistry

George Thomas Jordan, B.S., M.D.
Instructor in Ophthalmology

Arthur Charles Kleutgen, M.D.
Instructor in Preliminary Medicine

Robert Agedius Krost, M.D.
Instructor in Pediatrics

Charles J. Kurtz, A.M., M.D.
Instructor in Haematology

Edgar Nelson Layton, A.M., M.D.
Instructor in Clinical Neurology

Victor Darwin Lespinasse, M.D.
Instructor in Genito-Urinary Surgery

Milton Mandel, M.D.
Instructor in Medicine

Charles Martin Matter, M.D.
Instructor in Surgery

Walter Peter McGibbon, M.D.
Instructor in Otology

Ernest Charles Riebel, M.D.
Instructor in Surgery

Henry Edward Sauer, B.S., M.D.
Instructor in Gynecology

George Curtice Shockey, M.D.
Instructor in Clinical Neurology

Frank Edward Simpson, M.D.
Instructor in Dermatology

Henry Bascom Thomas, B.S., M.D.
Instructor in Clinical Orthopedic Surgery

Richard Joseph Tivnen, M.D.
Instructor in Ophthalmology

Newton Edward Wayson, A.B.
Instructor in Bacteriology

Fred Werner, M.D.
Instructor in Operative Obstetrics

Frank Wright, Ph.C., M.D.
Instructor in Chemistry

Charles Benjamin Younger, M.D.
Instructor in Laryngology and Rhinology

Emil Bernard Anderson, M.D.
Clinical Assistant in Medicine

John James Andrews, M.D.
Clinical Assistant in Surgery

Anthony Biankini, M.D.
Clinical Assistant in Surgery

Robert Alfred Black, M.D.
Clinical Assistant in Surgery

William Sherman Bracken, M.D.
Clinical Assistant in Laryngology and Rhinology

William Elmer Brennemann, M.D.
Clinical Assistant in Neurology

George Bassett Butt, M.D.
Clinical Assistant in Medicine

James Joseph Cole, M.D.
Assistant in Preliminary Surgery

Budd Clark Corbus, M.D.
Clinical Assistant in Surgery

Ralph Clarence Cupler, M.D.
Clinical Assistant in Surgery

Bertram Charles Cushway, M.D.
Assistant in Preliminary Surgery

Charles August Ericson, Ph.G., M.D.
Clinical Assistant in Medicine

Arthur Barnett Eustace, B.S., M.D.
Clinical Assistant in Surgery

Frank Doig Francis, M.D.
Clinical Assistant in Medicine

John Garfield Frost, M.D.
Clinical Assistant in Medicine

William Herbert Galland, M.D.
Clinical Assistant in Medicine

John Ferdinand Golden, M.D.
Clinical Assistant in Surgery

Guy Aubrie Gowen, M.D.
Clinical Assistant in Surgery

Albert Triplett Horn, M.D.
Assistant in Preliminary Surgery

George Herbert Howard, M.D.
Clinical Assistant in Medicine

Carl DaCosta Hoy, M.D.
Clinical Assistant in Surgery

Lawrence L. Iseman, M.D.
Clinical Assistant in Surgery

Alfred Frederick Jacobson, M.D.
Clinical Assistant in Dermatology

Sidney Klein, M.S., M.D.
Clinical Assistant in Medicine

Jeremiah Emmett Leahy, M.D.
Clinical Assistant in Surgery

Adolph H. Leviton, M.D.
Clinical Assistant in Surgery

John Matthew Lilly, A.B., M.D.
Clinical Assistant in Medicine

Otis Hardy Maclay, B.S., M.D.
Clinical Assistant in Laryngology and Rhinology

Alfred Newton Moore, M.D.
Clinical Assistant in Surgery

Albert Earl Mowry, M.D.
Clinical Assistant in Genito-Urinary Surgery

Bernard Nelson, M.D.
Clinical Assistant in Surgery

Edward Powers Norcross, M.D.
Clinical Assistant in Laryngology and Rhinology

Rupert Merrill Parker, B.S., M.D.
Clinical Assistant in Surgery

Otto Steve Pavlik, Ph.G., M.D.
Clinical Assistant in Gynecology

Albert Pech, M.D.
Clinical Assistant in Medicine

Louis Jacob Pritzker, M.D.
Clinical Assistant in Gynecology

Arthur Bennett Rankin, M.D.
Clinical Assistant in Orthopedic Surgery

Ernest Ray Reynolds, M.D.
Clinical Assistant in Dermatology and Syphilology

James George Ross, M.D.
Clinical Assistant in Genito-Urinary Surgery

Kellogg Speed, M.D.
Clinical Assistant in Surgery

Brown Fred Swift, B.S., M.D.
Clinical Assistant in Genito-Urinary Surgery

John Thomas Welch, M.D.
Clinical Assistant in Surgery

Hugh James White, M.D.
Clinical Assistant in Medicine

Alfred Joy Willetts, M.D.
Clinical Assistant in Medicine

Albert Bernard Yudelson, M.D.
Clinical Assistant in Neurology

Frederick Otto Bowe, M.D.
Demonstrator of Operative Obstetrics

David Sweeney Hillis, M.D.
Demonstrator of Operative Obstetrics

Harold Diefenderfer, A.M., M.D.
Demonstrator in Anatomy

Harold Kenneth Gibson, M.D.
Demonstrator in Anatomy

Garland Dix Scott, M.D.
Assistant in Anatomy

Henry Scott, M.B., C.M.
Demonstrator in Anatomy

Charles Henry Smith
Student Assistant in Chemistry

Ney Milton Salter, B.S.
Student Assistant in Physiology

Willis Stanley Gibson, A.B.
Student Assistant in Physiology

Frederick Harvery Bly, A.B.
Student Assistant in Physiology

Herman Hendrickson
Student Assistant in Anatomy

Martin Rist Chase, B.S., A.M.
Student Assistant in Anatomy

Leonard Case Scott, Ph.D.
Student Assistant in Pharmacology

Christian David Hauch
Student Assistant in Pathology

William Alfred James
Student Assistant in Pathology

Nathaniel Graham Alcock, M.S.
Student Assistant in Pathology

Fred Morris Meixner, Ph.G.
Student Assistant in Pathology

Perpetuo Gutierrez
Student Assistant in Pathology

Fred Homer Clutton, A.M.
Registrar

Committees of the Faculty

Medical Council

A. W. Harris President of the University, A. R. Edwards, J. H. Long, W. S. Hall, R. B. Preble, W. E. Schroeder, E. C. Dudley, J. G. Wilson, J. B. DeLee, G. B. Dyche, C. L. Mix, Secretary.

House Committee

J. H. Long.

Library Committee

E. W. Andrews, W. H. Buhlig, Librarian, W. E. Schroeder.

Committee on Re-Examinations and Delinquent Students

J. H. Long, C. L. Mix, R. B. Preble.

Committee on Preliminary Education

C. L. Mix, W. S. Hall, H. T. Patrick.

Committee on Advanced Standing

C. L. Mix, W. E. Schroeder, F. R. Zeit.

Committee on Graduate Study

J. H. Long, C. L. Mix, W. H. Buhlig.

Alumni Week Committee

R. T. Gillmore, J. H. Long, W. S. Hall, C. B. Reed, F. Menge.

Requirements for Admission

Candidates for admission to the Medical School must qualify under the following regulations:

a. Certificates of moral character signed by two physicians of good standing in the State in which the applicant last resided must be presented.

b. Graduates of recognized colleges will be admitted without examination upon the presentation of their diplomas.

c. Graduates of approved high schools and academies which offer courses of study equivalent to the requirements for admission to the College of Liberal Arts of this University, see pages 68 to 74, will be admitted without examination upon the presentation of their diplomas, and proof of one year of college work in chemistry, biology, physics, and modern languages, in addition to the four years of high school work scheduled.

d. Graduates of State Normal Schools, or of similar institutions whose courses of study are fully equivalent to those of public high schools with a four-year curriculum, will be admitted without examination upon the presentation of their diplomas, and proof of one year of College work in chemistry, biology, physics, and modern languages.

e. Students not holding certificates or diplomas similar to those indicated above may be admitted on the presentation of satisfactory credentials for having completed a course of study equal to that required for admission to the second year in a College of Liberal Arts. Otherwise they will be required

to pass examinations for admission upon the subjects enumerated below, full equivalents being accepted for the prescribed subjects.

f. Students conditioned in entrance requirements must make up conditions before the beginning of the second year, and cannot be registered as regular students in the second year course until this is done.

EXAMINATIONS FOR ADMISSION

Examinations for admission to the Medical School are held at the School on the Monday next preceding the first Tuesday in October. By special arrangement examinations may also be held at St. Paul, Minnesota; Denver, Colorado; Omaha, Nebraska; St. Louis, Missouri; Cincinnati, Ohio; Detroit, Michigan; Portland, Oregon; and San Francisco, California. For examination at the Medical School application must be made to the Secretary of the Medical School prior to September 15. For examination in cities other than Chicago, application must be made to the Secretary of the Medical School prior to September 1.

ADMISSION AS SPECIAL STUDENTS

At the discretion of the Faculty persons of serious purpose and mature years may be admitted to the Medical School as special students to pursue selected studies. Applications for such admittance must be accompanied by evidence of qualification to carry on the proposed work to advantage. In general, special students are expected to meet the full entrance requirements.

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must present satisfactory records for work on which credit is asked, or they must pass examinations. Certificates from other reputable medical schools covering the number of hours in class and laboratory work given in this School are accepted, when properly signed by the Dean or Secretary of the school from which the candidate in medicine comes.

Undergraduate students from other medical colleges will not be admitted to the fourth-year class. Graduates in medicine will be admitted to the senior class only upon special action by the faculty.

Students from other medical schools who have pursued the following first-year medical courses may be admitted to advanced standing in the subjects covered by their official credentials if found satisfactory:

Anatomy—Recitations, 64 hours, and laboratory work, 320 hours, covering osteology, and dissection of four parts of the human body, arm, leg, thorax and abdomen, head and neck.

Physiology—Recitations, 96 hours, and laboratory work, 96 hours, covering general physiology of cells and tissues, and the special physiology of the circulatory and respiratory systems, including normal hæmatology.

Chemistry.—Lectures and demonstrations, 96 hours, and laboratory

work, 196 hours, covering general chemistry and qualitative analysis, with organic chemistry.

Histology and Embryology.—Recitations, 48 hours, and laboratory work, 192 hours, covering the microscopical anatomy of human tissues and organs and the development of vertebrate embryos.

PREPARATION FOR THE STUDY OF MEDICINE

Students contemplating the study of medicine are urged to take at least two years of work in a college of arts or science before entering the Medical School. The following should be among the studies pursued in this preliminary training: *Modern Languages:* German or French, two years. *Chemistry:* General, inorganic, qualitative analysis, organic. *Physics:* Mechanics, hydraulics, sound, light, electricity. *Biology:* Biology of plants, general biology, comparative anatomy, physiology of vertebrates, histology and embryology.

COMBINED COURSE IN ARTS AND MEDICINE

THE BACHELOR'S DEGREE AND THE MEDICAL DEGREE IN SEVEN YEARS

Students in the College of Liberal Arts of this University intending to enter the Medical School, and desiring to shorten the time required for degrees in both Arts and Medicine, may be released from further work in the College of Liberal Arts when they have secured ninety hours of credit. This credit, must, however, include all the required studies for the degree sought, as shown on pages 76 and 77 of the University Catalogue (1909-1910), and must fulfill the requirements for a major and a minor. If the student's work is properly planned, this necessary credit can be secured in three years.

Under this provision students may give their full time during the fourth year to work in the Medical School, but must continue registration in the College as if in regular attendance. A certificate from the Medical faculty that the equivalent of a full year's work has been satisfactorily accomplished is accepted by the College as completing the one hundred twenty hours required for the bachelor's degree. Credit is not accepted from the Medical School for subjects for which credit has already been given in the College.

This plan of combined courses makes it possible to secure both degrees in seven years, three in the college and four in the Medical School. For all work done in the Medical School the fees of that School must be paid.

On the other hand, some courses offered in the College of Liberal Arts cover corresponding courses in the Medical School, and may be taken for credit in that School. Students who complete Chemistry B, and the second semester of Chemistry C, Volumetric Analysis, in the College laboratories are given credit for Chemistry a, b, and c, that is, for the first year Chemistry in the Medical School. Those who complete Zoölogy B1, C, and D receive credit for Anatomy d and e, and Physiology a, b, and c in the Medical School.

General Outline of Instruction

This Medical School now requires for admission evidence from its students of adequate collegiate preparation in physics, general chemistry, general biology, and consequently these subjects are not included in the curriculum.

The School was the first in the United States to establish a graded course of study and in the course of study outlined in this catalogue the student advances from the fundamental laboratory courses to the clinical, bed-side subjects. The advantages of such gradation can be secured only by at least eight months consecutive attendance, and by beginning with the fundamental subjects in the fall semester of each year. Deviation from the regular schedule of work is not allowed save by action of the Faculty.

The subjects taught in the first year may be studied, with the exception of gross anatomy and surgery in the laboratories of the College of Liberal Arts in Evanston. The work in gross anatomy may be taken by college students during the year in the laboratories of the Dental School in the Northwestern University Building, 87 Lake Street. Students who enter the Medical School from the College of Liberal Arts may complete their gross anatomy and surgery during the summer terms of the Medical School.

The first two years of the medical course are devoted almost entirely to practical work in the laboratories. The logical sequence of the scientific studies of the first and second years leads up to the practical courses of the third and fourth years. The student approaches the practical subjects of the third year after completing those subjects preparatory to practical medicine, and after courses in physical diagnosis and preliminary pathology, surgery, and medicine in the second year. The principles of medicine, surgery, and obstetrics are studied in recitations, in clinics given to small sections, in section work in the dispensary, and in larger clinics. The courses in special pathology and clinical pathology closely follow the clinical work, and are accompanied with clinics and recitations on nervous diseases, gynecology, eye and ear, nose and throat, orthopedic surgery, and diseases of children. In the fourth year the instruction is case-teaching and is largely clinical.

In the entire course, the classes, wherever it is possible, are limited in size, a matter of great advantage to the student, as it gives him the privileges of personal instruction. The sections of classes are sufficiently small to give each student an opportunity to take for himself, under the personal supervision of his teacher, every step in the technique of laboratory and clinical courses.

CLINICAL INSTRUCTION

Clinical instruction occupies most of the last two years and a part of the second year. Clinical material is very abundant and is furnished by the South Side Dispensary, Calumet Avenue Dispensary, Wesley Hospital,

Mercy Hospital, St. Luke's Hospital, Provident Hospital, People's Hospital, Cook County Hospital, and the Chicago Lying-in Dispensary. Some of the hospital and college clinics are attended by the entire class, but the greater number of clinics are given to small sections of from twelve to sixteen students, who thus receive individual instruction in physical examination, diagnosis, and treatment. A most important feature of the clinical instruction is the bedside hospital clinic, in which a small group of students accompany the teacher through the ward and study the details of symptoms, diagnosis, and treatment, and follow the cases throughout the progress of disease. The course of bedside clinical instruction is so arranged that each student has at least two periods a week. The hospital beds to which the students have access number in the aggregate over nine hundred. The course in clinical obstetrics at the Chicago Lying-in Dispensary is obligatory.

SCHEDULE OF COURSES

In the following general arrangement of the course, letters refer to the courses presented under the main headings in alphabetical order, as described on pages 159 to 178.

FIRST YEAR

Anatomy, a, c, d.
Chemistry, a, b, c.
Physiology, a, b, c.
Surgery, aa.

SECOND YEAR

Anatomy, a, e, f, g, h.
Chemistry, d, e, f, g, h.
Medicine, Physical Diagnosis, a, b, c.
Pathology and Bacteriology, a, b, c, d, e, f, g, h, i, j.
Pharmacology, a, b, c, d,
Physiology, d, e, f, g, h, i.

THIRD YEAR

Chemistry, g.
Gynecology, a.
Medicine, d, e, f, g, h, i.
  Laryngology and Rhinology, a, b, c.
  Neurology, a.
  Opthalmology, a.
  Otology, a.
  Pediatrics, a, b, c, d, e, f.
Obstetrics, a.
Pathology and Bacteriology, o, p.
Pharmacology, e.
Physiology, h, i.
Surgery, a, b, c, d, e, f, g, h, i, j, k, l, m.
  Orthopedic Surgery, a, b, c.

FOURTH YEAR

Gynecology, b, c, d, e, f.
Medicine, j, k, l, m, n.
  Dermatology, and Syphilology, a, b, c.
  Mental Diseases, b, c, d, e, f, g,
  Medical Jurisprudence, e.
  Neurology, b, c, d, e, f, g,
  Ophthalmology, b, c, d, e, f.
  Otology, b, c, d.
  Pediatrics, g, h.
Obstetrics, b, c, d.
Pharmacology, e.
Sanitary Science, a.
Surgery, n, o, p, q, r, s, t, u, v.

SUMMER COURSES

The summer school meets an increasing demand for summer work. It offers courses in medicine to students from institutions with less fortunate clinical facilities, to students of this School making special preparation for competitive hospital examinations at the end of the course, and to students who have work to make up.

The courses of the Summer School are well adapted to the need of practitioners. There is the best opportunity for practice in newer and more scientific methods of clinical diagnosis and pathology, and for study of experimental physiology, therapeutics, and surgery. The comparatively small number of students increases the value of summer courses.

Credit is given for these courses so far as they cover the ground of the regular course of the college year.

Courses are not given for which an insufficient number of students register. The courses of the Summer School are described in the articles on the several departments, pages 159 to 178.

The Summer School begins June 1 and closes August 1, covering the period of a half semester. Registration must be made with the Registrar at the Medical School.

THE HOSPITAL QUIZ CLASS

A careful reveiw of the medical course is very helpful to students who take the competitive hospital examinations. To meet this condition a hospital quiz class under faculty supervision is conducted during the last twenty weeks before the examinations to furnish thorough reviews without sacrificing the required fourth year work.

Only members of the highest quarter of the graduating class are eligible to the quiz class. Every member of the quiz class since 1900 has secured a hospital appointment.

Anatomy

ASSISTANT PROFESSOR RANSON, ASSISTANT PROFESSOR PRENTISS, ASSISTANT PROFESSOR THYNG, DR. CURRAN, DR. SCOTT, DR. DIEFENDERFER, MR. HENDRICKSON, MR. CHASE.

For the work in gross anatomy there are provided three large well-ventilated dissecting rooms, and three smaller rooms for special dissections by students or graduates. An additional room, equipped for the study of topographical anatomy, is open daily and gives the student an opportunity to supplement impressions gained in the dissecting room by a study of models, special dissections, and sections of formalin hardened bodies. There is an excellent refrigerating plant for the preservation of cadavers, with good facilities for embalming and storage.

The histological laboratory is well lighted and provided with the essentials for the study of microscopic anatomy. There is a complete set of Ziegler

models for use in embryology and a permanent collection of histological, embryological, and neurological specimens. Facilities for research work are provided, and most of the important anatomical journals are found in the department.

The method of instruction is almost wholly objective. The student is encouraged to form clear conceptions of the objects studied in the laboratory, lectures and quizzes being used only to stimulate him to renewed interest in his laboratory work.

a. *Dissections of the Human Body*—Four three-hour periods throughout both semesters of the first year and the first semester of the second year. The body is divided into three parts, (1) upper extremity, (2) lower extremity and abdomen, (3) head, neck, and thorax. Two of these parts are dissected in the first year and the remaining part in the first semester of the second year. A careful dissection under direct supervision of instructors is supplemented once a week by a quiz of the class in small sections. Mon., and Tu., 1-4 Sec. II-III second year, II first year; Wed., Th., 1-4 Sec. I-III second year, I-II first year; Fri., Sat., 1-4, Sec. I-II second year, I first year. Professor Ranson, Dr. Curran, Dr. Scott and Assistants.

b. *Summer Course*—Students may if they desire dissect one of the three parts in the Summer School. 1-5, six days a week during July and August. Professor Ranson and Assistants.

c. *Lectures and Recitations*—Two hours a week during the first semester of the first year. In order to render the work objective each student is required to hold before him a specimen of the bone under discussion and to identify for himself each of the markings on the bone. Tu., Sat., 4-5. Professor Ranson.

d. *Microscopical Anatomy and Embryology*—Two three-hour laboratory periods and two lectures or recitations a week throughout the first year. The work includes a thorough study of cells, tissues, and organs as to structure and development, with instruction in the ordinary methods of preparing tissues for microscopical examination. A clear understanding of the structures studied is given by tracing their origin in the embryo, and special stress is laid upon the identification by the students of the various normal tissues and organs. For this reason careful laboratory drawings are required. The course is divided into two parts:

1. *Cytology and Histology of the Normal Tissues*—(a) the study of cells, their structure, reproduction; (b) segmentation and the formation of the germ-layers in the embryo; (c) the structure and development of the normal tissues. First twelve weeks of the first semester. Sec. I, 1-4 Mon., Tu.,; Sec. II, 1-4 Fri., Sat. Professor Thyng, Professor Prentiss, and Assistants.

2. *Development and Histology of the Human Organs*—(a) From a study of whole mounts, dissections and serial sections of mammalian embryos the origin and development of the organs is traced, thus lead-

ing up to (b) a thorough study of the microscopical structure of the adult organs, exclusive of the central nervous system. Last three weeks of the first semester and second semester: Sec. I, 1-4 Mon., Tu.; Sec. II, 1-4 Fri., Sat. Professor Prentiss, Professor Thyng, and Assistants.

e. *Gross and Microscopical Anatomy of the Human Central Nervous System*—A course of lectures, recitations and laboratory work of two three-hour periods a week during the second semester of the second year. Each student dissects a human brain, and studies a series of microscopical sections through typical regions of the brain and spinal cord. Sec. I, 1-4, Fri., Sat.; Sec. II, 1-4, Mon., Tu.; Sec. III, 1-4, Wed., Th., Lectures Tu., 4-5. Professor Ranson, Professor Thyng, and Assistants.

f. *Lectures on Topographical Anatomy*—One lecture a week throughout both semesters of the second year. Th., 4-5. Professor Ranson.

g. *Laboratory Work in Topographical Anatomy*—Open to students who have credit for Course a. Two three-hour periods a week during the first two months of the second semester. Transverse and longitudinal sections through formalin hardened bodies. Sec. I, 1-4, Wed., Th.; Sec. II, 1-4, Fri., Sat.; Sec. III, 1-4, Mon., Tu. Dr. Curran.

h. *Special Problems in Anatomy*—Opportunity is offered for suitably trained students to carry on investigations of an original character in Neurology, Embryology, Histology, and other branches of Anatomy. Professor Ranson, Professor Prentiss, Professor Thyng.

Chemistry

PROFESSOR LONG, MR. JOHNSON, MR. GEPHART, DR. WRIGHT, MR. SMITH.

The work in chemistry extends through the first and second years and is required of all students. Commodious laboratories, well equipped for experimental work are located on the fourth floor of the Laboratory Building. The Chemical Lecture Room is on the third floor, as are also the Chemical Museum, a small laboratory for advanced work and special problems, and the private laboratory and office of the head of the department.

FIRST YEAR

a. *Organic Chemistry*—This course comprises three lectures and one quiz a week throughout the second semester, and is intended to cover the general principles of this fundamental branch of chemical science. The work in organic chemistry is a proper and necessary introduction to the physiological chemistry of the second year, and is abundantly illustrated by aid of models and an excellent collection of organic preparations. Mon., Wed., Fri., 4-5, second semester. Professor Long.

b. *Organic Chemistry, Laboratory Course*—The work in this course is given in the second half of the second semester, and consists in the preparation of certain organic compounds described in the didactic course. These

compounds are selected mainly with reference to their illustrative importance. Three periods each week, Tu., Th., Sat., 10-12. Professor Long and Mr. Johnson.

c. *Volumetric Analysis*—Three periods each week through the first half of the second semester. Enough work is given in this course to familiarize the student with the general principles of this branch of analysis and serve as an introduction to the practical work required in the physiological chemistry in the second year. Tu., Th., Sat., 10-12. Mr. Johnson and Assistants.

SECOND YEAR

d. *Physiological Chemistry*—Lectures and demonstrations three times a week through the first semester. This is a systematic course covering the whole field of general physiological chemistry and repeats and extends the organic chemistry of the carbo-hydrates, the fats, and the proteins. The nature of ferments and digestive agents is fully discussed with special reference to the digestion of ordinary foods, and the connection betweeen the foods and the products of metabolism, especially of protein metabolism, is presented. The chemistry of the blood, the urine, the feces, and the products of various organs is given as fully as time permits. Attention is given also to the important questions of nutrition and the practical value of different foods, keeping in mind the bearing of these questions on topics of internal medicine. An attempt is made to sift out from the great mass of physiological chemical literature that which is likely to prove of permanent importance in the practice of medicine and to present it in proper order. Mon., Wed., Fri., 4-5. Professor Long

e. *Physiological Chemistry*—Laboratory course covering the study of foods, digestive agents, products of metabolism and various fluids of the body. The important properties of the fats, carbo-hydrates, and the commoner proteins are reviewed experimentally. Two periods a week through one semester. Sec. I, Mon., Wed., 8-10; Sec. II, Tu., Th., 8-10. First semester. Professor Long and Mr. Johnson.

f. *Urine Analysis*—A laboratory course is given in two periods a week through the second semester. The more exact recent quantitative processes are presented along with the usual routine methods. Sec. I, Mon., Wed., 8-10; Sec. II, Tu., Th., 8-10. Second semester. Mr. Johnson.

g. *Special Laboratory Courses*—Opportunity is given for more advanced work and research work in several lines of physiological chemistry. Professor Long, Mr. Johnson, and Mr. Gephart.

h. *Quiz Courses*—Two courses are given. The first is given once a week through the first semester on the work covered by Course d. The other is given once a week through the second semester on the work of Course f. In both of these courses the applications to practical medicine are regularly presented. Sec. I, Mon., 11-12; Sec. II, Sat., 11-12. Dr. Wright.

COLLEGE OF LIBERAL ARTS

The following courses satisfactorily completed in the College of Liberal Arts are accepted for Courses a, b, and c of the Medical School.

b. *Qualitative Analysis and Organic Chemistry*—Four hours a week throughout the year. See page 83 of University Catalogue. Professor Hines.

c. *Volumetric Analysis*—Four hours a week, second semester. See page 83 of University Catalogue. Professor Hines.

Gynecology

PROFESSOR DUDLEY, PROFESSOR FRANK T. ANDREWS, PROFESSOR WATKINS, PROFESSOR FRANKENTHAL, ASSISTANT PROFESSOR GILLMORE, DR. BARNES, DR. CUTHBERTSON, DR. LEWIS, DR. SAUER, DR. PAVLIK, DR. PRITZKER.

Instruction in this department comprises recitations, dispensary clinics, conferences, and surgical clinics. The clinics are given in Wesley Hospital, Mercy Hospital, St. Luke's Hospital, and to divided classes in the Dispensary. All students are required to make themselves proficient in general gynecological diagnosis and treatment, and with this object in view, are brought into close personal relation with a large number and variety of cases in the Dispensary. Three operative clinics a week, on the average, are given in hospitals in the immediate vicinity of the College. These clinics afford the student abundant opportunity to familiarize himself with all the major and minor operations of gynecology. Not only a theoretical, but a practical knowledge of gynecology is a prerequisite for graduation.

THIRD YEAR

a. *Operative Clinics and Lectures at St. Luke's Hospital*—One two-hour period a week. Wed., 10-12. October to April, Professor Dudley, April to July, Professor Frankenthal; July to October, Dr. Cuthbertson.

FOURTH YEAR

b. *General Gynecology*—Recitations. Twice a week. First semester. Mon., Tu., 4-5. Professor Gillmore, Dr. Sauer, Dr. Barnes, and Dr. Lewis.

c. *Operative Clinics and Lectures at Wesley Hospital*—One two-hour period a week throughout the year. Th., 8-10. Professor Watkins.

d. *Operative Clinics and Lectures at Mercy Hospital*—Once a week throughout the year. Th., 8-10. Professor Frank T. Andrews.

e. *Dispensary Clinics*—Daily to divided classes. Every fourth year student is required to attend for four weeks. Daily 2-4. Assistant Professor Gillmore, Dr. Sauer, Dr. Barnes, Dr. Pavlik, and Dr. Pritzker.

e,e. *Summer Course*—Equivalent to Course e. Daily 2-4.

f. *Gynecological Clinics to Sections of the Fourth Year Class*—Once a week, Wed. 8-9, Wesley Hospital, Professor Watkins; Wed., 8-9, Mercy Hospital, Dr. Barnes.

Medicine

PROFESSOR EDWARDS, PROFESSOR DAVIS, PROFESSOR PREBLE, PROFESSOR WALLS, PROFESSOR MIX, PROFESSOR ABT, ASSISTANT PROFESSOR DYCHE, ASSISTANT PROFESSOR CHESTER, ASSISTANT PROFESSOR DAVIS, ASSISTANT PROFESSOR ELLIOTT, ASSISTANT PROFESSOR BUHLIG, ASSISTANT PROFESSOR HARPOLE, DR. OSGOOD, DR. GOLDSMITH, DR. MANDEL, DR. FOWLER, DR. KLEUTGEN, DR. BUTT, DR. LAMBORN, DR. WILLETTS, DR. PECH, DR. GALLAND, DR. WHITE, DR. ANDERSON, DR. HOWARD.

The course in physical diagnosis in the second year lays a broad foundation for the medical courses which are to follow. A thorough course is given in the technique of physical diagnosis, beginning with laboratory work upon the normal subject and illustrated by typical cases from the clinics.

THIRD YEAR

The class is divided into small sections not exceeding twenty students in number. Throughout both semesters each section is assembled for three recitation periods of one hour each and one two-hour clinical period. In the recitation periods special attention is paid to the explanation of the morbid phenomena of disease by the application of the principles of physical diagnosis, special pathology and pathological physiology, which have been given in the second year.

Cases presented in the clinical period are selected with special reference to the subjects already considered in the recitation course. In both recitation and clinical periods due attention is given to applied therapeutics.

An important feature of the medical instruction in the third year is the work in the medical department of the South Side and the Calumet Avenue Dispensaries. Small sections of eight or ten students are assigned to a service of four weeks each, during which each student receives personal instruction in the application of his work of previous years in physical diagnosis, in the methods of differential diagnosis, in symptomatology, in therapeutics, and in prescription writing The study of drugs and their action, familiarity with which is essential before prescriptions for the sick are attempted, is begun before clinical teaching is taken up. For the same reason general pathology and special pathology are taken in the second year. The course in clinical pathology is so conducted that the laboratory finds and the clinical side of the cases are closely associated in the minds of the student. The personal contact with patients and individual opportunity to put into practice the didactic and clinical instruction of the various departments are leading features of instruction in this department.

FOURTH YEAR

Medical instruction in the fourth year is largely clinical. In the large clinics the students are required to examine and diagnose the cases. Semi-

didactic summaries of symptoms, cases, the principles of diagnosis, prognosis and the minute details of therapy are given special prominence.

In the small ward classes the fourth year students are taken to the bedside of the patient and there become familiar with the variations in the full clinical course of the cases.

The fourth year students are assigned to the out patients in the capacity of clinical assistants and they are held strictly responsible for the care of the patients, and are required to compile complete data on all features of selected cases.

SECOND YEAR

a. *Physical Examinations of the Normal Body*—Laboratory work. Eight periods. First semester. Pathological conditions, illustrated by clinical cases. Sec. I, Tu., 10-12; Sec. II, Wed., 10-12. Dr. Kleutgen, Dr. Lamborn, Dr. Osgood, and Dr. Klein.

a,a. *Summer Course*—Equivalent to Course a. Dr. Kleutgen.

b. *Theory and Practice of Physical Diagnosis*—Lectures twice a week. Tu., Fri., 5-6. Professor Mix.

c. *Physical Diagnosis Clinic*—Cases chosen from the dispensary clinics are brought before the class and are presented with especial reference to diagnosis. Each student keeps a record of such cases, groups and co-ordinates all cases of the same class, and presents his notes with a thesis on one group of cases. Once a week. Th., 11.30-12.30. Professor Mix.

THIRD YEAR

d. *Recitations from Text-Books*—Three hours a week. Mon., Th., Sat., 8-9. Professor Dyche, Professor Achilles Davis, Professor Elliott, Professor Chester, Dr. Goldsmith, Dr. Osgood, and Dr. Mandel.

e. *Clinics*—Clinics to the same sections supplementary to the recitation work; one two-hour period a week throughout the year. These clinics also cover therapeutics. Th., 3-5, Professor Dyche; Sat., 10-12, Professor Achilles Davis; Fri., 8-10, Professor Elliott; Tu., 3-5, Professor Chester; Fri., 1-3, Dr. Goldsmith; Mon., 10-12, Dr. Osgood.

f. *South Side Dispensary Clinic to Small Classes*—Four weeks. Daily 10-12. Professor Chester, Professor Achilles Davis, Dr. Fowler, Dr. Butt, Dr. Kleutgen, Dr. Willetts, Dr. Pech, and Dr. Mandel.

f,f. *Summer Course*—Equivalent to Course f. Daily 10-12.

g. *Clinical Lectures at St. Luke's Hospital*—Once a week. Wed., 8-9. Professor Preble.

h. *Calumet Avenue Dispensary Clinics*—Four weeks. Daily 10-12. Professor Edwards, Professor Dyche, Professor Chester, and Dr. Mandel.

h,h. *Summer Course*—Equivalent to Course h. Daily 10-12.

i. *Laboratory Diagnostic Methods*—A laboratory course in the chemical, bacteriologic, and microscopic methods used in diagnosis. This covers the examination of urine, blood, stomach contents, feces, sputum, pus, fluid

exudates, smears and cultures from nose and throat, and other excretions, special emphasis being laid upon the interpretations from the results. The routine laboratory work of Wesley Hospital is now being done in this laboratory and, with the material from the South Side Dispensary, gives opportunity to students to do all the numerous tests necessary for diagnosis. The class is divided into eight sections of about fifteen students each. Each section attends a morning and an afternoon period of two hours each for one-fourth of a semester. Daily 10-12 and 2-4. Professor Buhlig and assistants.

i,i. *Summer Course*—Laboratory work. Daily 10-12 and 2-4. Equivalent to course i. Professor Buhlig and assistants.

FOURTH YEAR

j. *Lectures*—One hour a week. At Mercy Hospital. Mon., 9-10. Professor Edwards.

k. *Lectures*—One hour a week. At the Medical School. Th., 5-6. Professor Preble.

l. *Clinical Lectures at Mercy Hospital*—Two two-hour periods throughout the year. Tu., Fri., 10-12. Professor Edwards.

l,l. *Clinical Lectures at Mercy Hospital*—Summer term. Tu., 10-12, Dr. Mandel; Fri., 10-12, Professor Chester.

m. *Clinical Lectures at Wesley Hospital*—One two-hour period throughout the year. Wed., 10-12. Professor Preble.

m,m. *Summer Course*—Equivalent to Course m. Dr. A. Davis.

n. *Weekly Visits to the Hospital Wards*—Visits at Wesley and Mercy Hospitals under the guidance of Professor Edwards, Professor Walls, Professor Preble, Professor Dyche, Professor Chester, Professor Elliott, Professor Achilles Davis, Dr. Goldsmith, Dr. Osgood, and Dr. Mandel.

n,n. *Summer Course*—Equivalent to Course n.

SUB-DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY

PROFESSOR ZEISLER, ASSISTANT PROFESSOR PARDEE, DR. SIMPSON, DR. JACOBSON.

The very abundant clinical material gives the students in the dispensary an opportunity to examine each case personally. The most instructive cases are reserved for the general weekly clinic, where they are demonstrated and discussed exhaustively. Special attention is paid to differential diagnosis, histopathology, and the treatment of dermatoses most frequently encountered by the general practitioner.

THIRD YEAR

a. *Dispensary Clinic*—Daily for four weeks. Daily 2-4. Professor Pardee, Dr. Simpson, and Dr. Jacobson.

a,a. *Summer Course*—Equivalent to Course a. Daily 2-4.

b. *Clinical Lectures*—One period a week throughout the year. Wed., 4-5. Professor Zeisler.

c. *Lectures*—One a week. Second semester. Wed., 5-6. Professor Zeisler.

SUB-DEPARTMENT OF LARYNGOLOGY AND RHINOLOGY

PROFESSOR MENGE, ASSISTANT PROFESSOR MARQUIS, DR. YOUNGER, DR. DENNIS, DR. MACLAY, DR. NORCROSS, DR. BRACKEN.

Instruction in the Department of Laryngology and Rhinology is given in large general clinics as well as in small sections in the dispensary. Actual individual teaching is accomplished in the dispensary by giving each student his own work-place fully equipped with electric light, compressed air, and examination instruments and by assigning patients to him. Thus he learns the technique of examination, the commoner diagnoses, and various methods of treatment which he himself pursues.

The operative clinics are held in Wesley Hospital, and being supplied by the abundant material from the dispensary and hospital, are held in systematic order, the cases shown exemplifying the regular routine of the lecture course. The new quarters in the dispensary comprise a suite of rooms including an examination room, a dark room, and two large rooms for general instruction. These rooms are admirably equipped for the purpose of clinical instruction.

THIRD YEAR

a. *Laryngology and Rhinology*—Clinical lecture one hour a week. One semester. Tu., 10-11. Professor Menge.

b. *Clinical Lectures*—At the School or at Wesley Hospital. Once a week throughout the year. Fri., 10-12. Professor Menge and Professor Marquis.

c. *Dispensary Clinic*—Individual instruction in technique. Six periods a week for four weeks. Daily 10-12. Professor Menge and Professor Marquis, assisted by Dr. Dennis, Dr. Younger, Dr. Bracken, Dr. Maclay, and Dr. Norcross.

c,c. *Summer Course*—Equivalent to Course c. Daily 10-12.

SUB-DEPARTMENT OF OPHTHALMOLOGY

PROFESSOR PUSEY, DR. JORDAN, DR. TIVNEN.

In the department of Ophthalmology an effort is made to give to the student the essentials of the subject. For teaching purposes there is complete equipment. The department has its own laboratory and abundant clinical material. Small sections of the class are assigned to this department for a given period, and during this time the subject is considered systematically, and cases showing the various diseased eye conditions are studied. The subject of refraction is considered in a general way.

THIRD YEAR

a. *Dispensary Clinic*—Six periods a week for four weeks. Daily 10-12. Professor Pusey and Dr. Jordan.

FOURTH YEAR

b. *Clinic at the College or Wesley Hospital*—Once a week throughout the year. Optional. Professor Pusey.

c. *Clinic at Mercy Hospital*—To sections of the fourth year class, Tu., Th., 2:30-3:30. Dr. Tivnen.

ELECTIVE AND FOR GRADUATES

d. *Laboratory Course*—Study of the anatomy and histology of the eye. Professor Pusey.

e. *Laboratory Course*—Study of the pathology and bacteriology of the eye. Professor Pusey.

f. *Graduate Clinical and Refractive Course*—Hours to be arranged. Professor Pusey and Dr. Jordan.

SUB-DEPARTMENT OF OTOLOGY

PROFESSOR WILSON, DR. MC GIBBON, AND DR. TIVNEN

The department of Otology occupies half of the third floor of Davis Hall. In addition to rooms specially adapted to clinical instruction, a large laboratory has been equipped for graduate and research work. The Dispensary rooms are well equipped for examining and treating ambulatory cases. The affiliated hospitals and the dispensaries afford a large amount of material for practical instruction. The students are assigned in small sections for a period of one month, in which the student is afforded the opportunity of acquiring a practical knowledge of the diseases of the ear.

THIRD YEAR

a. *Dispensary Clinic*—Demonstrations, dispensary practice, and recitations. Daily 10-12. Demonstrations three half-hour periods a week. Recitations two half-hour periods a week. Professor Wilson and Dr. McGibbon.

FOURTH YEAR

b. *Clinic at Mercy Hospital*—To sections of the fourth year class. Twice a week. Tu., Th., 2:30-3-30. Dr. Tivnen.

ELECTIVE, AND FOR GRADUATES

c. *Laboratory Course*—Study of the anatomy and histology of the ear. Hours to be arranged. Professor Wilson.

d. *Laboratory Course*—Study of the pathology and bacteriology of diseases of the ear. Hours to be arranged. Professor Wilson.

SUB-DEPARTMENT OF NEUROLOGY, CLINICAL NEUROLOGY, MENTAL DISEASES, AND MEDICAL JURISPRUDENCE

PROFESSOR CHURCH, PROFESSOR PATRICK, ASSISTANT PROFESSOR GRINKER, ASSISTANT PROFESSOR HECHT, DR. LAYTON, DR. SHOCKEY, DR. WILLIAM E. BRENNEMANN, DR. YUDELSON.

THIRD YEAR

a. *Neurology*—Recitation course. One hour a week. Both semesters. Sat., 9-10. Professor Hecht.

FOURTH YEAR

b. *Diseases of the Nervous System*—One lecture a week throughout the year. Fri., 4-5. Professor Church.

e. *Clinical Lecture*—Once a week. First semester. Mon., 3-4. Professor Patrick.

d. *Clinical Lecture*—Special reference to hospital cases. Once a week. Second semester. Mon., 3-4. Professor Church.

e. *Medical Jurisprudence*—One lecture a week. First semester. Th., 4-5. Professor Hecht.

f. *Dispensary Clinics*—Six periods a week for four weeks. Daily, 2-4. Professor Patrick, Professor Grinker, Professor Hecht, Dr. Shockey, Dr. Layton, Dr. W. E. Brennemann, and Dr. Yudelson.

f,f. *Summer Course*—Equivalent to Course f. Daily 2-4.

g. *Ward Visits*—A weekly ward visit to Wesley Hospital. Th., 1-3. Professor Grinker and Professor Hecht.

SUB-DEPARTMENT OF PEDIATRICS

PROFESSOR WALLS, PROFESSOR ABT, ASSISTANT PROFESSOR BRENNEMANN, DR. CAMPBELL, DR. CHENEY, DR. KROST.

It is the plan of this department to make its instruction chiefly clinical and personal.

THIRD YEAR

a. *Didactic Lecture*—One period a week. One semester. Wed., 8-9. Professor Walls, Professor Abt, and Professor Brennemann.

b. *Recitations*—One period a week. One semester. Wed., 9-10. Professor Walls, Professor Brennemann, Dr. Campbell, Dr. Cheney, and Dr. Krost.

c. *Dispensary—Children's Clinic*—Six periods a week for four weeks. Daily 10-12. Professor Walls, Professor Brennemann, Dr. Campbell, Dr. Cheney, and Dr. Krost.

c,c. *Summer Course*—Equivalent to Course c. Daily 10-12.

d. *Clinical Lecture*—The most interesting of the patients attending the dispensary clinics are reserved for the weekly School clinic. This course is required of third year students and is open to all fourth year students. One period a week. Tu., 11-12. Professor Walls.

e. *Diet Kitchen*—Examination and preparation of infant foods. Daily 10-12. Professor Walls.

f. *Didactic Lecture*—Once a week at the School. Hours to be arranged. Professor Abt.

FOURTH YEAR

g. *Clinical Lecture at Michael Reese Hospital*—Twice a week to the entire class. Mon., Sat., 8-9. Professor Abt.

h. *Ward-Walk*—One period a week. Fri., 8-9. Professor Brennemann.

Obstetrics

PROFESSOR DE LEE, ASSISTANT PROFESSOR REED, DR. MONASH, DR. STOWE, DR. WERNER, DR. HILLIS, DR. BOWE.

The teaching in this department is clinical, didactic by demonstrations, by individual exercises on the manikin, and by recitations and conferences in large and small classes. Obstetric cases in Mercy, Provident, and Wesley Hospitals are used for teaching. All fourth year students attend in residence a two weeks' service at the Chicago Lying-in Hospital and Dispensary. Each student sees and conducts personally six to ten labors in the homes of patients, or in the hospital under the guidance of the assistant physicians. The pathological material is abundant. Members of the teaching staff will give optional courses on special obstetric subjects at the requests of small groups of students. The Obstetric Laboratory is at the service of students desiring to do special work.

THIRD YEAR

a. *The Physiology of Pregnancy, Labor, and the Puerperium*—Throughout the year. Two recitations a week. Tu., Th., 9-10. Professor Reed and Dr. Monash.

FOURTH YEAR

b. *The Pathology of Pregnancy, Labor, and the Puerperium*—Throughout the year. Two lecture recitations a week. Mon., Fri., 5-6. Professor De Lee.

c. *Individual Practice on the Manikin*—Sixteen exercises for each group of six students. Mon., Wed., Fri., 1-3. Dr. Stowe, Dr. Werner, Dr. Hillis, and Dr. Bowe.

d. *Demonstrations*—Students of the third and fourth years attend obstetric demonstrations, operations, and labors conducted by Professor De Lee and Professor Reed in the amphitheater of Wesley Hospital. Attendance on six labors is necessary for graduation.

Pathology and Bacteriology

PROFESSOR ZEIT, MR. WAYSON, DR. JACKSON, DR. SCOTT, MR. ALCOCK, MR. JAMES, MR. GUTIERREZ, MR. MEIXNER, MR. HAUCH.

The laboratories of pathology and bacteriology and the museum of the department occupy the second floor of the main College building. The laboratories are well equipped for general class work, as well as for individual research. The museum of pathology contains a very complete and excellent collection of pathological specimens, most of which are preserved in natural colors. Liberal use is made of these specimens for instruction and practical exercises in morbid anatomy. The museum is open at all times for inspection. The number of public autopsies, held in the large amphitheater, is ample and together with the large museum collection and the fresh material obtained from hospital and private post-mortems, many of which are attended by small sections of 15 to 20 students, furnish abundant opportunity for the study of morbid anatomy and histopathology. The department is supplied with a valuable reference library and advanced students or physicians can be provided with good facilities for research work.

The courses in pathology and bacteriology are given during the second year and consist of laboratory work, demonstrations, lectures, and recitations. The laboratory courses in general pathology and bacteriology are given during the first semester, special pathology during the second semester. The whole class attends all post-mortems held during the two semesters of the second and third years, one hundred hours of attendance at autopsies being required. During both semesters the class attends two lectures a week on bacteriology, etiology of infectious diseases and immunity, and two lectures a week on pathology. Many of these lectures are illustrated by lantern slides and demonstrations. During the second semester systematic exercises in anatomic diagnosis by means of Kayserling specimens and fresh material are held regularly after the study of the pathology of each organ. The student is given representative material for the preparation of a very complete and valuable collection of about 350 slides illustrating all the important pathologic lesions and micro-organisms which he has studied during his laboratory courses.

SECOND YEAR

a. *Bacteriology and Etiology of Infectious Diseases and Immunity*—Lectures and demonstrations. Two hours a week. Both semesters. Th., 5-6; Fri., 11-12. Professor Zeit.

b. *Bacteriology Laboratory Course*—The class is divided into sections, each section taking three periods of two hours each a week during the first semester. Sec. I, Tu., Th., Sat., 8-10; Sec., II, Mon., Wed., Fri., 8-10. Professor Zeit and Mr. Wayson.

c. *Bacteriology Recitation Course*—One hour each week. First semester. Sec. I, Th., 10-11; Sec. II, Mon., 10-11. Mr. Wayson.

d. *General Pathology*—Lectures and demonstrations. Two hours a week. First semester. Mon., Wed., 5-6. Professor Zeit and Dr. Jackson.

e. *General Pathology and Histopathology Laboratory Course*—The class is divided into sections, each section taking three periods of two hours each week during the first semester. Sec. I, Mon., Wed., 10-12, Fri., 8-10; Sec. II, Tu., Th., 10-12, Sat., 8-10. Professor Zeit and Dr. Jackson.

f. *General Pathology and Histopathology Recitation Course*—One hour each week. First semester. Mon., 5-6. Dr. Jackson.

g. *Special Pathology*—Lectures and demonstrations. Two hours a week. Second semester. Tu., Wed., 11-12. Professor Zeit.

h. *Special Pathology*—Laboratory course. The class is divided into sections, each section taking two periods of three hours each week during the second semester. Sec. I, Tu., Th., 8-11; Sec. II, Mon., Wed., 8-11. Professor Zeit and Dr. Jackson.

i. *Special Pathology Recitation Course*—One hour each week. Second semester. Mon., 5-6. Dr. Jackson.

j. *Autopsies*—Second and third year class. College and hospital autopsies as announced on Bulletin Board. Students of the second and third years are excused from conflicting school duties. One hundred hours of attendance required. Professor Zeit and assistants.

SUMMER COURSES

k. *Bacteriology Laboratory Course*—Six periods of two hours each daily for eight weeks. Equivalent to Course b. Daily 10-12. Professor Zeit and Mr. Wayson.

l. *Bacteriology Recitation Course*—Two hours each week for eight weeks. Equivalent to Course c. Tu., Th., 3-4. Mr. Wayson.

m. *General Pathology and Histopathology—Laboratory Course*—Six periods of two hours each, daily, for eight weeks. Equivalent to Course e. Daily 8-10. Professor Zeit and Dr. Jackson.

n. *General Pathology Recitation Course*—Two hours each week for eight weeks. Equivalent to Course f. Mon., Wed., 3-4. Dr. Jackson.

SECOND, THIRD, AND FOURTH YEARS—ELECTIVE

o. *Advanced Work and Research in Bacteriology*—Professor Zeit.

p. *Advanced Work and Research in Pathology*.—Professor Zeit.

Pharmacology

The department of pharmacology is adequately equipped for the laboratory study of the principles of materia medica and pharmacy as well as for the study of the physiological action of drugs. Each student is sup-

plied with the necessary chemical apparatus to enable him to perform individual experiments on the nature of drug constituents, separation, measurements, and identification of active principles, the manufacture of all types of pharmacopoeial preparations and the compounding of prescriptions. There is also sufficient equipment in tables, animal holders, muscle levers, electrical apparatus, manometers, kymographs, tambours, endiometers, sphygmomanometers, myocardiographs, and other apparatus, for each student to take part in experiments upon the physiological action of drugs. A collection of the official drugs and their preparations is accessible to the student at all times; also a collection of experimental records—tracings, charts, and drawings—illustrating the action of the important drugs.

The course in pharmacology consists of laboratory work, lectures, and recitations. The laboratory work of the first semester includes the study of the general chemical and physical properties of the active constituents of drugs, methods of separating and identifying alkaloids, the manufacture of at least one sample of each type of pharmacopoeial preparation, and prescription writing. The laboratory work of the second semester covers the physiological action of drugs. Each section is divided into groups of two, three, or four students as occasion demands, and each group performs experiments illustrating the effects exerted by drugs upon various physiological systems, muscular, nervous, respiratory, circulatory, digestive, and excretory. For the laboratory work the class is divided into sections of about 24 students each, so that personal supervision of the work is assured. The lectures are devoted mainly to consideration of the action of drugs and the relations between drug action and the disturbed physiology of disease. The recitations are informal reviews or quizzes of the work covered in the lectures and text-book.

SECOND YEAR

a. *Lectures in Pharmacology*—Two hours a week throughout the year. Fri., Sat., 10-11. Professor Richards.

b. *Recitations in Pharmacology*—In three sections. One hour a week throughout the year. Sec. I, Tu., 3-4; Sec. II, Th. 3-4;, Sec. III, Sat., 1-2. Professor Richards.

c. *Pharmaceutical Laboratory*—Three Sections. Three hours a week during the first semester. Sec. I, Mon., 1-4; Sec. II, Wed., 1-4; Sec. III, Fri., 1-4. Professor Richards and Dr. Scott.

d. *Pharmacological Laboratory*—Three Sections. Three hours a week during the second semester. Sec. I, Mon., 1-4; Sec. II, Wed., 1-4; Sec. III, Fri., 1-4. Professor Richards and Dr. Scott.

THIRD AND FOURTH YEARS

e. *Research Work*—The laboratory is open for research to a limited number of qualified workers. Professor Richards and Dr. Scott.

Physiology

PROFESSOR HALL, ASSISTANT PROFESSOR GRINKER, DR. KURTZ, MR. SALTER, MR. BLY, MR. GIBSON, MR. NYBERG.

Instruction is based upon laboratory work and demonstrations. In the laboratory each student demonstrates for himself fundamental laws of physiology and observes the phenomena upon which these laws are based. The demonstrations present experiments too difficult for the student to perform alone. The laboratory work and demonstrations form an experimental basis for the science of Physiology, which is presented systematically in the recitation course accompanying the experimental courses.

The equipment of the department includes a large laboratory, a smaller laboratory, an instrument room, departmental library, storage room, shop, preparation room, and facilities in the general animal house. The laboratories are well supplied with all of the instruments needed for scientific investigation, and excellent facilities are afforded for the study of the special senses, particularly vision.

FIRST YEAR

a. *General Physiology*—Cellular biology, and the physiology of muscle and nerve tissue and the muscular system. Lectures and demonstrations, three times a week, and laboratory work one period a week. Living plants and animals, principally unicellular organisms from aquaria, are used in the course in cell-physiology. Frogs are used in the second part of the course and the student has ample opportunity to work out the laws of contraction and of fatigue. In the last part of the course the human ergograph is used and the laws of human work are formulated. First semester. Laboratory, Sec. I, Wed., 8-10; Sec. II, Fri., 8-10. Lectures, Mon., Wed., Fri., 11-12. Professor Hall and assistants.

b. *The Physiology of Circulation, Respiration and Excretion*—Recitations and demonstrations three periods a week. Through operations on mammals under anaesthesia, and through observations upon the human subject the phenomena of circulation and respiration are studied in detail. Laboratory, two periods a week. Three-fourths of a semester. Laboratory, Sec. I, Mon., Tu., 8-10; Sec. II, Wed., Th., 8-10. Lectures, Mon., Wed., Fri., 11-12. Professor Hall and assistants.

b,b. *Summer Course.*—Daily for six weeks. Equivalent to Course b. Laboratory, Sec. I, Mon., Tu., 8-10; Sec. II, Wed., Th., 8-10. Lectures, Mon., Wed., Fri., 11-12. Dr. Kurtz.

c. *Haematology*—The physiology of the blood. Recitations and demonstrations three times a week. The student makes an extended study of his own blood and that of other members of his group with the aid of improved clinical instruments. Thus he is able to master the technique of blood exam-

ination, and incidentally to familiarize himself with the properties of normal human blood. Laboratory work, two periods a week. One-fourth of a semester. Laboratory, Sec. I, Mon., Tu., 8-10; Sec. II, Wed., Th., 8-10. Lectures, Mon., Wed., Fri., 11-12. Professor Hall and Dr. Kurtz.

c, c. *Summer Course*—Daily for two weeks. Equivalent to Course c. Laboratory, Sec. I, Mon., Tu., 8-10; Sec. II, Wed., Th., 8-10. Lectures, Mon., Wed., Fri., 11-12. Dr. Kurtz.

SECOND YEAR

d. *The Physiology of Digestion, Metabolism, and Animal Heat*—Recitations and demonstrations three times a week, first half of second semester. The chemistry of foods, and of digestion amd metabolism being fully covered in the department of chemistry, the department of physiology discusses the process of secretion and the conditions which modify glandular activity. The principles of dietetics are reviewed, and the metabolic changes which various foodstuffs undergo are followed through the system. Mon., Wed., Fri., 4-5. Professor Hall.

e. *Physiology of the Special Senses*—Two laboratory periods and three recitations per week. The laboratory possesses extensive facilities for teaching the physiology of vision and special attention is given to the physics of refraction. One-half of second semester. Laboratory, Sec. I, Mon., Tu., 1-4; Sec. II, Wed., Th., 1-4; Sec. III, Fri., Sat., 1-4. Lectures, Mon., Wed., Fri., 4-5. Professor Hall and assistants.

f. *Physiology of the Central Nervous System*—Lectures, demonstrations, and recitations. Twice a week. One-half of second semester. Mon., Wed., 5-6. Professor Grinker.

g. *Experimental Physiology of the Central Nervous System*—Laboratory work. One period a week. One-half of a semester. Elective. Professor Grinker.

THIRD AND FOURTH YEAR—ELECTIVE

h. *Pathologic Physiology*—Four hours a week.

i. *Dietetics, Theoretical and Practical*—Four hours a week.

COLLEGE OF LIBERAL ARTS

The courses of the first year, a, b, c, may be completed either in the Medical School or in the laboratories of the College of Liberal Arts at Evanston. Students wishing to complete the work in College should register in the department of Zoology as follows:

d. *Physiology for Medical Students*—Three hours a week throughout the year. Dr. Harper.

Sanitary Science

PROFESSOR EVANS

Lecture Course—The organization of a health department, contagious diseases, disinfection, school inspection, hospitals, dispensaries and ambulances, vital statistics, food control, laboratories, and sanitary bureaus, with demonstrations in the smallpox hospital, drainage canal, water works, and garbage destruction. One lecture a week. First semester, Wed., 5-6; second semester, Th., 4-5. Professor Evans.

Surgery

PROFESSOR MURPHY, PROFESSOR OWENS, PROFESSOR E. W. ANDREWS, PROFESSOR MORGAN, PROFESSOR PLUMMER, PROFESSOR HALSTEAD, PROFESSOR SCHROEDER, PROFESSOR SCHMIDT, ASSOCIATE PROFESSOR NEFF, ASSISTANT PROFESSOR BESLEY, ASSOCIATE PROFESSOR RICHTER, ASSOCIATE PROFESSOR KANAVEL, DR. CUBBINS, DR. PIERCE, DR. MATTER, DR. FOX, DR. RIEBEL, DR. DANFORTH, DR. EGGERT, DR. HOLLISTER, DR. LESPINASSE, DR. THOMAS, DR. BIANKINI, DR. BLACK, DR. ERICKSON, DR. FRANCIS, DR. GOLDEN, DR. MCDOWELL, DR. MOWRY, DR. PARKER, DR. RANKIN, DR. ROSS, DR. SCHRAGER, DR. SPEED, DR. SWIFT, DR. NELSON, DR.. ISEMAN, DR. WELCH, DR. CORBUS, DR. CUPPLER, DR. LEVITAN, DR. HOY, DR. ANDREWS, DR. MOORE, DR. CURRY.

The course offered in surgery is systematically graded, beginning in the first year with a course in the application upon plaster models, cadavers, and patients, of roller bandages, casts, splints, extensions, and braces. The last half of this course is devoted to the study of surface surgical landmarks. Third year students are given a thorough course in recitations and conferences covering the entire field of surgery. Third year students attend at St. Luke's Hospital the Surgical Clinics and Clinical Conference Courses by Professor Owens, Professor Halstead, Professor Plummer, and their associates. At Wesley Hospital Surgical Clinics are given by Professor Schroeder, Professor Besley, Professor Richter, and Professor Kanavel. Sections. of the fourth year class attend the Surgical Clinics at the People's Hospital given by Dr. Riebel, and at the Post Graduate Hospital by Professor Besley, Professor Richter, and Professor Kanavel. The whole fourth year class attends Professors Murphy's and Andrews's Surgical Clinics at Mercy Hospital.

FIRST YEAR

a,a. *Preliminary Surgery*—Surface landmarks, bandaging, organ location. Once a week. Second semester. Mon., Wed., Fri., 8-10; Professor Kanavel, Dr. Danforth, Dr. Horn, and Dr. Cushway.

THIRD YEAR

a. *Recitations and Conferences on Surgery*—To cover the entire field of surgery, general and special, sections of the class meet three hours a week under each of the following: Professor Kanavel, Professor Besley, Professor Richter, Dr. Cubbins, Dr. Pierce, and Dr. Golden. Each course continues five weeks, the section then passing to another instructor for the succeeding five weeks, and so on through the entire field of surgery. Mon., 9-10, Tu., 8-9, Wed., 4-5.

b. *Dispensary Clinics at Medical School on General Surgery*—Individual instruction in divided classes six times a week for four weeks. Daily 2-4. Professor Besley, Professor Kanavel, Professor Richter, Dr. Churchill, Dr. Eustace, Dr. Riebel, Dr. Fox, and Dr. Francis.

b,b. *Summer Courses* in the Dispensary will be the same as the winter courses. Daily 2-4.

c. *Dispensary Clinics at Calumet Avenue Dispensary*—Daily 10-12. Professor Murphy, Dr. Nelson, Dr. Iseman, Dr. Welch, Dr. Speed, Dr. Biankini, Dr. Levitan, Dr. Hoy, Dr. Andrews, Dr. Moore, Dr. Magnusen, Dr. Eustace, and Dr. Cummings.

d. *Dispensary Clinics in Genito-Urinary Surgery*, the Medical School—Individual instructions in divided classes six times a week for four weeks. Daily 2-4. Professor Schmidt, Dr. Lespinasse, Dr. Ross, Dr. Swift, Dr. Mowry, and Dr. McDowell.

d,d. *Continuous Summer Course*—Equivalent to course d. Daily 2-4.

e. *Dispensary Clinics at Provident Hospital*—Wed., 2-3. Dr. Fox.

f. *Operative Surgery on Cadaver*—Laboratory. Second semester. Three periods a week for four weeks. Mon., Tu., Th., 1-3. Dr. Eggert, Dr. Cubbins, and associates.

g. *Experimental Operative Surgery on Dogs*—First Semester. Mon., Tu., Th., 2-4. Professor Kanavel, Dr. Churchill, Dr. Cushway, and Dr. Joseph Abt.

h. *Clinical Lectures at Wesley Hospital Amphitheater*—Tu., 4-6. Professor Besley; Th., 4-6., Professor Richter.

i. *Clinical Lectures at St. Luke's Hospital*—Once a week. Wed., 1:45-:45. Professor Owens, Professor Plummer, and Professor Halstead.

j. *Operative Surgical Clinics at Post-Graduate Hospital*—Once a week.)ne-half of the class each semester. Th., 10-12. Professor Kanavel.

k. *Surgical Pathology*—One hour a week. The class, in six sections, ubjects to be divided between the members of the teaching corps of this ranch. Wed., 5-6. Dr. Danforth, Dr. Golden, Dr. Fox, Dr. Speed, Dr.)agg, and Dr. Riebel.

l. *Clinic—Genito-Urinary Surgery*—Once a week. Sat., 3:30-5. Professor Schmidt.

m. *Surgical Clinics at Cook County Hospital*—Professor Halstead and

Professor Besley, Fri., 10-12; Professor Andrews and Professor Schroeder, Fri., 3-5.

FOURTH YEAR

n. *Surgical Clinics at Mercy Hospital Amphitheater*—Two two-hour periods a week. Mon., Th., 10-12. Professor Murphy, assisted by Dr. Golden.

o. *Clinical and Conference Course at Mercy Hospital Amphitheater*—Two two-hour periods a week. Tu., Fri., 8-10. Professor E. Wyllys Andrews, assisted by Dr. Pierce, and Dr. Speed.

p. *Surgical Clinic at Mercy Hospital*—To sections of the fourth year class three times a week, two hours each. Professor Morgan and Dr. Sawyer.

q. *Lectures on Genito-Urinary Surgery.*—Once a week. Tu., 5-6. Professor Schmidt.

r. *Surgical Clinic at Wesley Hospital*—One three-hour period a week. Sat., 9-12. Professor Schroeder.

s. *Surgical Clinic at People's Hospital*—Given to sections of the class once a week. Th., 2-3. Dr. Riebel.

t. *Ward visits at Wesley, Mercy, St. Luke's, People's, and Provident Hospitals*—Twice a week. Professor Andrews, Professor Plummer, Professor Halstead, Professor Neff, Dr. Pierce, Dr. Golden, Dr. Parker, Dr. Kurtz, and Dr. Fox.

u. *Continuous Summer Course*—Equivalent to course t.

v. *Advanced Course in Genito-Urinary Surgery at Alexian Brothers Hospital*—Daily 8-10. Professor Schmidt.

SUB-DEPARTMENT OF ORTHOPEDIC SURGERY

The instruction in Orthopedic Surgery is based upon the clinical material at hand. The abundant material of the dispensary clinic furnishes a sufficient range of cases to permit a fairly complete presentation of the whole subject of Orthopedics, with the advantage of illustrating each subject with one or more cases.

THIRD YEAR

a. *Dispensary Orthopedic Clinics*—Before small sections. Four weeks. Three times a week. Mon., Wed., Sat., 2-4. Dr. Thomas and Dr. Rankin.

a,a. *Summer Course*—Equivalent to Course a. Mon., Wed., Sat., 2-4.

b. *Hospital Clinics and Operative Clinics*—At Mercy Hospital and Wesley Hospital, as material allows.

c. *Special Training*—Selected students receive personal training at the Home for Destitute Crippled Children, in operative technique, in ordering and adjusting of braces, in applying plaster of Paris dressings, in selecting materials, and in the details of manufacture of orthopedic appliances. Fri., 1-3.

Buildings, Hospitals, and Hospital Staffs

The Laboratory Building is located on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. It has a frontage of 110 feet, and a depth of 105 feet; is five stories above the basement, and is constructed of cut stone and brick, with terra-cotta trimmings. On the first floor are an amphitheater the laboratories of physiology and biology, and the rooms occupied by the medicine and surgery dispensary clinics; on the second floor are the laboratories for pathology, bacteriology, hygiene, clinical pathology, and the pathological museum; and on the third floor, large laboratories of histology and embryology, with three smaller rooms for original research, equipped with necessary apparatus, a large lecture-room, a room for chemical and physical apparatus, and the private laboratory of the professor of chemistry. On the fourth floor, one-half of the entire space is occupied by chemical and surgical laboratories, and the other half by the laboratories of physiological chemistry and pharmacology, with smaller rooms for research work. On the fifth floor are dissecting rooms, a room for demonstrating topographical anatomy, and three smaller rooms for special dissections.

Davis Hall was erected in the summer of 1893. On the first floor are the administrative offices and faculty rooms, a large amphitheater, an apothecary's room, an examination room for the director of the dispensary, and suites of rooms for the dispensary departments of laryngology and rhinology and genito-urinary surgery. On the second and third floors there are smaller amphitheaters, and suites of rooms equipped for the departments of gynecology, orthopedics, neurology, pediatrics, otology, ophthalmology, and dermatology. On the third floor large clinic rooms and research laboratories have been equipped for clinical research work in eye and ear diseases, done nowhere else in this country. On the fourth floor are the library and reading-room. Thirty thousand patients are treated here annually.

The Calumet Avenue Dispensary is a two-story building erected in 1908 to provide for ambulatory patients. Sixteen clinic rooms ensure privacy and thoroughness of examination. In addition to these there are on the main floor a dry room, an X-Ray laboratory, a photographic room, with dark-room equipment and office, and a Director's room. On the second floor is a large assembly room. Two pathological laboratories are provided and equipped for investigation and research.

Mercy Hospital is situated on Twenty-sixth Street, extending from Prairie Avenue to Calumet Avenue. It is under the care of the Faculty of this School, and is conducted by the Sisters of Mercy. It receives a large number of patients annually. A large new pavilion has just been erected. The capacity is about four hundred beds and the operating rooms are equipped with every modern facility.

Daily clinics are held in the hospital amphitheater, and at the bedsides in the wards. The members of the classes are allowed to examine cases for

themselves in order to acquire a personal familiarity with the clinical aspects of a large variety of diseases. In groups of two or three, fourth year students are allowed to watch the progress of obstetrical cases under the direction of the house physicians. A laboratory, equipped for clinical bacteriology and microscopical work, is utilized for teaching purposes and for clinical examinations.

The annual fee for the Mercy Hospital ticket, paid by third and fourth year students, is six dollars.

Wesley Hospital stands beside the School buildings and is connected with them by a covered corridor. Among the most notable recent additions to the equipment of the Medical School are the operating rooms, wards, and laboratories of Wesley Hospital. The wards and private rooms contain together two hundred twenty-five beds. The instruction given to the students in Wesley Hospital constitutes a very important part of the clinical course. A new wing costing $110,000 is now being built, and the facilities thus provided will make Wesley one of the best equipped hospitals in the West.

The Hospital has four large wards, of twenty beds each, separating the sexes; and medical from surgical patients. There are also eight smaller wards, a children's ward and two babies' wards. The patients from these wards, both large and small, are available for clinical instruction. Over four thousand patients were treated last year.

Third and fourth year students pay a hospital fee of $5 annually.

St. Luke's Hospital is situated on Indiana Avenue, near Fourteenth Street. Owing to its central location, it receives many accident cases, and its surgical clinic is large. Clinics are given regularly in medicine, nervous diseases, surgery, gynecology, and diseases of the eye and ear. The autopsies, held in the amphitheater of the hospital morgue, constitute an important part of the clinical instruction. The clinics and autopsies of St. Luke's Hospital are attended principally by the third year students. The addition of the new George Smith Memorial Pavilion gives this hospital a superior equipment. The annual fee is five dollars.

Provident Hospital is situated at the corner of Thirty-sixth and Dearborn Streets. It has been enlarged and now has one hundered beds, accommodating eight hundred patients annually. A large dispensary treats about six thousand ambulatory patients each year.

The People's Hospital is a private institution, organized in 1897 by Dr. I. C. Gary, Northwestern University, 1889, as an ideal wage-earner's hospital for persons in moderate circumstances.

It is conveniently situated at the corner of Archer Avenue and Twenty-second Street, within short walking distance of the School. One interne is appointed each year from the graduating class at the School, and two fourth year students live at the hospital and serve as assistants. The hospital

is well supplied with operating rooms and with a complete laboratory, and is open to the School for clinical teaching.

The Chicago Lying-In Hospital and Dispensary offers a clinical and didactic course. Each fourth year student takes a course of two weeks during which he conducts from six to ten labors, under the supervision of the resident staff, and attends the mother and child during the puerperium.

The Hospital is situated at 294 Ashland Boulevard, the Dispensary at 302 Maxwell Street, in the most thickly populated district of Chicago. Its work is done in the homes of the patients. Over eleven hundred patients are confined in this service yearly—one hundred and fifty in the Hosiptal, nine hundred and fifty in the Dispensary.

An essential and valuable part of the fourth year course is the two weeks spent by each student in residence at the Lying-In Dispensary on Maxwell Street. This institution is situated in the heart of the poorer districts of Chicago, and it cares for poor women during confinement at their own homes. A physician, a student, and a nurse are sent to the patient's house, and take care of her during labor just as she would be treated if she were well-to-do. The student and nurse visit mother and babe daily for ten days afterward. The student learns a definite and minute aseptic technique and system in obstetric work, beside gaining accurate knowledge of the mechanism and conduct of labor. He learns the physiological manifestations of the puerperal changes, and studies the newly born child as it accomodates itself to extra-uterine existence. Thus in later practice he will be able to distinguish the diseased from the normal conditions.

The pathological service is large, and each student sees and assists at three or more operations either in the Dispensary service itself or in the hospitals allied to the School to which the patients are transported. During the two weeks in residence, he personally attends six or more deliveries and makes 80 to 120 post partum visits. His time not spent at cases is employed in studying obstetrics and in obstetric colloquia with the physicians.

The fee for the course is fifteen dollars, payable in advance to the Hospital.

The Cook County Hospital is a public institution situated at the corner of Wood and Harrison Streets. The average number of patients is between nine hundred and a thousand daily. It is open to all medical schools for clinical instruction. About a thousand students attend its clinics. The representatives of the Faculty of Northwestern University on the Hospital Staff are: in Medicine—Professor Mix, Professor Preble, Professor Harpole, Professor Elliott, and Dr. Goldsmith; in Neurology—Professor Patrick and Professor Grinker; in Surgery—Professor Murphy, Professor Andrews, Professor Schroeder, Professor Halstead, and Professor Besley; in Ophthalmology—Professor Pusey; in Pathology—Professor Evans; In Obstetrics—Professor De Lee and Dr. Stowe; in Pediatrics—Professor Abt; in Laryngology—Professor Marquis.

Clinics by members of this Faculty are given every Friday from 8 a. m.

until 5 p. m. to the students in the third year class. The annual ticket is five dollars.

MERCY HOSPITAL

Members of the Faculty of Northwestern University Medical School are indicated by stars placed after their names.

CONSULTING PHYSICIANS

Frank S. Johnson,* M.D., John H. Hollister,* M.D.

ATTENDING STAFF

Surgery—J. B. Murphy,* M.D., E. W. Andrews,* M.D., William E. Morgan,* M.D., James M. Neff,* M.D., Frank E. Pierce,* M.D., John F. Golden,* M.D.

Obstetrics—Joseph B. De Lee,* M.D., David F. Monash,* M.D.

Orthopedic Surgery—John Ridlon, M.D.

Gynecology—Frank T. Andrews,* M.D., Thomas J. Watkins,* M. D., Walter S. Barnes,* M.D.

Medicine—Nathan S. Davis,* M.D., Arthur R. Edwards,* M.D., George B. Dyche,* M.D., Paul Chester,* M.D., Milton Mandel,* M.D.

Eye and Ear—Richard J. Tivnen,* M.D.

Neurology—Archibald Church,* M.D.

Dermatology—Joseph Zeisler,* M.D.

Nose and Throat—Frederick Menge,* M.D.

Pathology—Frederick R. Zeit,* M.D.

COURSE OF CLINICS

Clinical Lectures. Gynecology d—Once a week. Professor Frank T. Andrews.

Clinical Lectures. Medicine l—Twice a week to fourth year class. Professor Edwards.

Clinical Lectures. Ophthalmology and Otology c—Sections of the class, wice a week. Dr. Tivnen.

Ward Visits. Medicine n—Three times a week. Professor Davis, Professor Edwards, Professor Dyche, and Professor Chester.

Clinical Lectures. Surgery n—Twice a week to fourth year students. Professor Murphy.

Clinical Lectures. Surgery o—Twice a week to fourth year class. Professor E. W. Andrews.

Clinical Lectures. Surgery p—Sections of fourth year class. Professor Morgan.

Ward Visits. Surgery t—Twice a week. Professor E. W. Amdrews, Professor Neff, Dr. Golden, and Dr. Pierce.

WESLEY HOSPITAL

ATTENDING STAFF

Thomas J. Watkins,* M.D., Chairman
Frederick Menge,* M.D., Secretary
I. N. Danforth, M.D., Consultant

Physicians—Arthur R. Edwards,* M.D., Robert Preble,* M.D., Nathan S. Davis,* M.D., Charles A. Elliott,* M.D., Achilles Davis,* M.D.

Pediatrician—Frank X. Walls,* M.D.

Neurologists—Archibald Church,* M.D.

Dermatologist—Lucius C. Pardee,* M.D.

Pathologists—Robert F. Zeit,* M.D., Walter H. Buhlig,* M.D.

Surgeons—William E. Schroeder,* M.D., Frederick A. Besley,* M.D., Harry M. Richter,* M.D., Allen B. Kanavel,* M.D.

Gynecologists—Thomas J. Watkins,* M.D., E. C. Dudley,* M.D., Frank T. Andrews,* M.D.

Obstetricians—Joseph B. De Lee,* M.D., Charles B. Reed,* M.D.

Laryngologist—Frederick Menge,* M.D.

Opthalmologist—Brown Pusey,* M.D.

Aurist—John G. Wilson,* M.D.

Genito-Urinary Surgeon—Louis E. Schmidt,* M.D.

ADJUNCT STAFF

Physician—Alexander A. Goldsmith,* M.D.

Pediatricians—Joseph Brennemann,* M.D., Robert A. Krost,* M.D., Dudley Jackson, M.D.

Neurologists—Julius Grinker,* M.D., D'Orsay Hecht,* M.D.

Dermatologists—Frank E. Simpson,* M.D.

Gynecologist—Robert T. Gillmore,* M.D.

Surgeons—William C. Danforth,* M.D., Frederick C. Eggert,* M.D., Charles M. Fox,* M.D., Frank D. Francis,* M.D., Charles M. Matter,* M.D., Rupert Parker,* M.D., Ernest C. Riebel,* M.D., J. F. Churchill,* M. D., C. A. Erickson,* M.D.

Obstetricians—Herbert M. Stowe,* M.D., Fred Werner,* M.D.

Laryngologists—Charles B. Younger,* M.D., George J. Dennis,* M.D.

ASSISTANT STAFF

Physicians—Luther J. Osgood,* M.D., Alfred J. Willetts,* M.D.

Surgeons—Norman Curry,* M.D., Guy Gowan,* M.D., Robert Menzies, M.D.

Gynecologists—Frank Van Kirk, M.D., Mark Goldstine, M.D.

Laryngologist—Otis H. Maclay,* M.D.

Orthopedic Surgeons—Charles F. Eikenbary, M.D., Charles M. Jacobs, M.D., Arthur B. Rankin,* M.D.

Oculist—George T. Jordan,* M.D.
Aurist—Walter T. McGibbon,* M.D.

COURSE OF CLINICS

Clinical Lectures. Gynecology c—Once a week. Professor Watkins and assistants.

Clinical Lecture. Gynecology f—To sections of the fourth year class. Once a week. Professor Watkins.

Clinical Lectures. Medicine k—Once a week. Professor Preble.

Clinical Lecture. Medicine m—Once a week. Professor Preble.

Clinical Lecture with Operations. Opthalmology b—Once a week. Professor Pusey, and assistants.

Ward Visits. Medicine n—Professor Elliott and Professor Achilles Davis.

Ward Visits. Neurology g—Once a week. Professor Grinker and Professor Hecht.

Clinical Lectures. Surgery r—Once a week. Professor Schroeder.

Clinical Lectures. Surgery h—Professor Richter, Professor Besley, and Professor Kanavel.

Ward Visits. Surgery t—Professor Plummer, Professor Schroeder, Dr. Parker, and Dr. Kurtz.

ST. LUKE'S HOSPITAL

CONSULTING STAFF

I. N. Danforth, M.D.
Frank Billings, M.D.

ATTENDING STAFF

Surgeons—John E. Owens,* M.D., Lewis L. McArthur, M.D., W. H. Allport, M.D., A. E. Halstead,* M.D., W. E. Morgan,* M. D., S. C. Plummer,* M.D.

Gynecologists—E. C. Dudley,* M.D., T. J. Watkins,* M.D., L. E. Frankenthal,* M.D., Wm. Cuthbertson,* M.D.

Ophthalmologists and Otologists—Frank Allport, M.D., Casey Wood, M.D., T. A. Woodruff, M.D., Paul Guilford, M.D., T. E. Brawley, M.D., C. D. Westcott, M.D.

Orthopedic Surgeons—Frederick Mueller, M.D., John L. Porter, M.D., E. W. Ryerson, M.D.

Neurologists—Archibald Church,* M.D., Sanger Brown, M.D., Harold N. Moyer, M.D.

Laryngologists and Rhinologists—W. E. Casselberry,* M.D., T. Melville Hardie, M.D., Norval H. Pierce, M.D., George P. Marquis,* M.D., J. T. Campbell, M.D.

Physicians—Henry B. Favill, M.D., Robert B. Preble,* M.D., Gustav Futterer, M.D., Arthur R. Elliott, M.D., E. B. Hutchinson, M.D., N. S. Davis,* M.D.

Obstetricians—Frank Cary, M.D., Junius C. Hoag, M.D., Chas. E. Paddock, M.D., H. D. Peterson, M.D., Robert J. Gay, M.D.

Oral Surgeons—Thomas L. Gilmer, M.D., Arthur D. Black, M.D.

Pathologist—E. R. LeCount, M.D.

Pediatricians—Joseph Brennemann,* M.D., H. W. Cheney,* M.D., Francis X. Walls,* M.D.

Dermatologists and Radiotherapists—W. A. Pusey, M.D., Wm. L. Baum, M.D.

COURSE OF CLINICS

Clinical Lectures. Gynecology a—Once a week. Professor Dudley, Professor Frankenthal, and Dr. Cuthbertson.

Clinical Lectures. Medicine g—Once a week. Professor Preble.

Clinical Lectures. Surgery i—Once a week. Professor Owens, Dr. Allport, Professor Halstead, and Dr. McArthur.

PROVIDENT HOSPITAL

CONSULTING STAFF

Surgeons—William E. Morgan,* M.D., William E. Schroeder,* M.D.

Physicians—Frank Billings, M.D., Albert H. Burr, M.D.

Gynecologists—Emilius C. Dudley,* M.D., Thomas J. Watkins,* M.D.

Obstetricians—Junius C. Hoag, M.D., Charles S. Paddock, M.D.

Laryngologist—Frederick Menge,* M.D.

Neurologist—Richard Dewey, M.D.

Oculist and Aurist—Casey Wood, M.D.

Children's Diseases—Isaac A. Abt,* M.D.

Pathologist—W. H. Buhlig,* M.D.

ATTENDING STAFF

Surgery—Daniel H. Williams, M.D., A. A. Wesley, M.D., J. Charles Hepburn, M.D., G. C. Hall, M.D., James M. Neff,* M.D.

Obstetrics—Joseph B. De Lee,* M.D., Herbert M. Stowe,* M.D.

Dermatology and Genito-Urinary Surgery—Albert E. Mowry,* M.D., K. A. Zoralski, M.D.

Gynecology—A. W. Williams, M.D., B. Van Housen, M.D., Charles M. Fox,* M.D., Robert T. Gillmore,* M.D.

Pathology—S. C. Dickerson, M.D.

Medicine—Edward S. Stewart, M.D., Luther J. Osgood,* M.D., D. E. Burrows, M.D.

Eye and Ear—W. A. Mann, M.D., M. Z. Albro, M. D.

Nose and Throat—J. Frank McKinley, M.D., Edward P. Norcross,* M.D.

Pediatrics—Andrew L. Smith, M.D., J. R. White, M.D., Clifford G. Grulee, M.D.

Oral Surgery—C. E. Bentley, M.D., C. P. Pruyn, M.D.

Orthopedics—Henry B. Thomas,* M.D., F. C. Jacobson, M.D.

PEOPLE'S HOSPITAL

CONSULTING STAFF

Consulting Surgeon—W. E. Morgan,* M.D.
Consulting Physician—Geo. W. Webster, M.D.
Consulting Gynecologist—F. T. Andrews,* M.D.
Consulting Neurologist—Hugh T. Patrick,* M.D.

ATTENDING STAFF

Surgical—Wm. E. Schroeder,* M.D., Surgeon in Chief; E. C. Riebel,* M.D., Associate Surgeon in Chief; Charles J. Drueck, M.D., James Whitney Hall, M.D., John Steele Sweeney, M.D., Wm. B. Whitaker, M.D., G. G. Burdick, M.D., John L. Porter, M.D., M. F. Murray, M.D.

Medical Staff—C. A. Elliott,* M.D., Wm. R. Parsons, M.D., L. M. Barlow, M.D., John L. Sweeney, M.D., C. P. Caldwell, M.D., L. J. Isaacs, M.D., J. R. Kewley, M.D., W. A. Peterson, M.D., K. A. Zurawski, M.D., C. H. Bryan, M.D.

THE SOUTH SIDE DISPENSARY

MEDICINE

Arthur R. Edwards,* M.D.
Robert B. Preble,* M.D.
Charles L. Mix,* M.D.
Edson B. Fowler,* M.D.
Paul Chester,* M.D.
Achilles Davis,* M.D.
Walter H. Buhlig,* M.D.
George B. Butt,* M.D.
Frank D. Francis,* M.D.
Sidney Klein,* M.D.
Luther J. Osgood,* M.D.
Albert Pech,* M.D.
Arthur C. Kleutgen,* M.D.
William H. Lamborn,* M.D.
Milton Mandel,* M.D.
Alfred J. Willetts,* M.D.
John M. Lilly,* M.D.
Wm. H. Galland,* M.D.
Emil B. Anderson,* M. D.

SURGERY

William E. Schroeder,* M.D.
Harry M. Richter,* M.D.
Frederick A. Besley,* M.D.
William R. Cubbins,* M.D.
Frank E. Pierce,* M. D.
Allen B. Kanavel,* M.D.
Ernest C. Riebel,* M.D.
Charles Marvin Fox,* M.D.
Charles M. Matter,* M.D.
Charles A. Erickson,* M.D.
Frank D. Francis,* M.D.
James Churchill,*M.D.

NEUROLOGY

Archibald Church,* M.D.
Hugh T. Patrick,* M.D.
Julius Grinker,* M.D.
D'Orsay Hecht,* M.D.
Edgar N. Layton,* M.D.
George C. Shockey,* M.D.
William E. Brennemann,* M.D.
Albert B. Yudelson,* M.D.

ORTHOPEDIC SURGERY

Henry B. Thomas,* M.D.
Arthur B. Rankin,* M.D.

GYNECOLOGY

Emilius C. Dudley,* M.D.
Thomas J. Watkins,* M.D.
Frank T. Andrews,* M.D.
Walter S. Barnes,* M.D.
Henry E. Sauer,* M.D.
Robert T. Gillmore,* M.D.
Thomas H. Lewis,* M.D.
Louis J. Pritzker,* M.D.
Otto S. Pavlik,* M.D.

OPHTHALMOLOGY

Brown Pusey,* M.D.
George T. Jordan,* M.D.

OTOLOGY

John G. Wilson,* M.D.
Walter P. McGibbon,* M.D.

PEDIATRICS

Frank X. Walls,* M.D.
Joseph Brennemann,* M.D.
John G. Campbell,* M.D.
Robert A. Krost,* M.D.
Henry W. Cheney*, M.D.

LARYNGOLOGY AND RHINOLOGY

Frederick Menge,* M.D.
George P. Marquis,* M.D.
Charles B. Younger,* M.D.
George J. Dennis,* M.D.
Otis H. Maclay,* M.D.
William S. Bracken,* M.D.
Edward P. Norcross,* M.D.

DERMATOLOGY AND SYPHILOLOGY

Joseph Zeisler,* M.D.
Lucius C. Pardee,* M.D.
Frank E. Simpson,* M.D.
Alfred F. Jacobson,* M.D.

GENITO-URINARY SURGERY

Louis E. Schmidt,* M.D.
Victor D. Lespinasse,* M.D.
James G. Ross,* M.D.
Brown Fred Swift,* M.D.
Albert E. Mowry,* M.D.
Norman D. Curry,* M.D.

THE CALUMET AVENUE DISPENSARY

MEDICINE

Arthur R. Edwards,* M.D.
George B. Dyche,* M.D.
Paul Chester,* M.D.
Milton Mandel,* M.D.

SURGERY

John B. Murphy,* M.D.
Bernard Nelson,* M.D.
L. L. Iseman,* M.D.
John Thomas Welch,* M.D.
R. C. Cupler,* M.D.
Adolph H. Leviton,* M.D.
Kellogg Speed,* M.D.
A. Biankini,* M.D.
William S. Hoy,* M.D.
John J. Andrews,* M.D.
Alfred N. Moore,* M.D.
Budd Clarke Corbus,* M.D.

General Announcements

LOCATION

The Medical School is in Chicago, on Dearborn Street, between Twenty-fourth and Twenty-fifth Streets. It is the only Medical School on the South Side, and consequently is furnished with an almost exhaustless supply of clinical material. Wesley Hospital is located on the corner of Dearborn and Twenty-fifth Streets, and is connected with the Medical School buildings by corridors. Mercy Hospital is a short walking distance to the east of the School, and St. Luke's is nearby, to the north of the School.

Provident Hospital is to the south on Dearborn Street, and the People's Hospital is west on Twenty-second Street at Archer Avenue. Cook County and the Lying-in Hospitals are within a short car ride of the school buildings.

TO REACH THE MEDICAL SCHOOL

Take the South Side Elevated Railroad to Twenty-sixth Street. The School is one block west and one block north. The State Street cars stop at Twenty-fifth Street, one block east of the Medical School. Or, take Through Route No. 22, or Wentworth Avenue cars to Twenty-fifth Street and walk three blocks east.

THE LIBRARY

The Library of the Medical School, formerly known as the Alumni Library, is situated on the fourth floor of Davis Hall. It has been acquired by purchase and by donations from students, alumni, and members of the faculty. It contains a large number of reference books, dictionaries, current journals, and all of the larger system of Medicine and Surgery. Each department of instruction in the School is well represented, and all of the more important recent works in the various departments of instruction are added to the Library as they appear. The Library is open from 8:30 to 5 o'clock

daily. An attendant is constantly present, to aid the student. Special attention is paid to current medical literature, and to the completion of files of standard journals.

In addition to this specialized library of 5,569 bound and 8,609 unbound volumes, students have access to the Libraries of the other Schools of the University, aggregating 226,435 volumes. In Chicago, students have access to the Chicago Public Library, 369,247 volumes; the John Crerar Library, 246,353 volumes; the Newberry Library, 250,000 volumes; and the Library of the Chicago Historical Society, 50,000 volumes.

FEES AND EXPENSES

Matriculation Fee—The student is required to pay at the time of his first registration a matriculation fee of five dollars, which is paid but once, is charged to all students alike, and is in no case refunded.

Annual Fee—The annual fee is one hundred seventy-five dollars, due in installments as follows: Before October 6, $60.00; before January 4, $60.00; before April 2, $55.00. *Failure to comply with this regulation entails suspension from the quiz lists.* A discount of $15.00 is made when all fees and deposits for the year are paid on or before the second day of school.

Laboratory Fee—Each student who uses a college microscope is charged a rental as follows: In Histology, $2.00 a semester; in Bacteriology, for microscope having oil-immersion lens, $3.00 a semester; in Clinical Pathology, $1.50; in Pathology, $2.00.

Hospital Fees—The hospital fees are payable at the various hospitals:

Mercy Hospital	$6.00
Wesley Hospital	5.00
Lying-in Hospital	15.00
Cook County Hospital	5.00
St. Luke's Hospital	5.00

Examination Fee—A fee of five dollars is charged for a special examination out of course.

Deposits—A deposit of ten dollars is required from each student, payable on or before the first Monday in October, to cover breakage and injury to apparatus in the laboratories, unnecessary damage to buildings, loss of instruments in laboratories and clinics. This deposit is refunded if no injury or loss occurs. Deductions to cover loss are made from the deposit of individual students, when it can be determined who has caused breakage or loss of apparatus or defacement of buildings; when it cannot be so determined, the loss or injury is deducted pro rata from the deposits of all students.

A deposit of $5.00 is required in each of the following courses as a materials ticket: Histology, Pathology, Clinical Pathology, and Bacteriology. If the student does not use materials to the entire value of his ticket, the balance is refunded to him at the end of the course.

A deposit of $10.00 is required in Osteology and is to insure the safe re-

turn of the bones loaned the student. When all the bones are returned the deposit is returned in full.

Refunds—No refund of tuition fees is made except on account of serious illness. A student withdrawing before the middle of a semester who secures from the Dean a statement of honorable standing and from a physician a certificate of inability to remain in attendance, is allowed one-half the tuition fee for that semester.

Assignment of Seats—Students of the three upper classes may register and secure seats in the amphitheaters at the opening of the session, or they may do so at an earlier date by sending five dollars to the Registrar of the School.

The right is reserved to alter fees and to levy new fees without notice, as conditions may demand. Drafts should be made payable to the University.

Practitioners are welcome to attend lectures and clinics for a brief time; those attending single classes or laboratory courses through the year are charged from fifteen to twenty-five dollars for each course; those taking all of the work of any one year pay the same fee as regular students.

Summer Course

	Students	Alumni	Others
Pharmacology	$10.00	$20.00	$25.00
Histology	10.00	20.00	25.00
Physiology-Haematology, Circulatory, Respiratory, Digestive Systems	10.00	20.00	25.00
Pathological Histology	10.00	20.00	25.00
Bacteriology	10.00	20.00	25.00
Clinical Pathology	10.00	20.00	25.00
Anatomy—Dissections including Recitations	13.35	20.00	20.00
Operative Surgery	10.00	20.00	25.00
Operative Obstetrics	.....	20.00	25.00
Chemistry—Urine Analysis or Special Problems	.....	.....	10.00
Chemistry—Medical and Physiological	10.00	20.00	25.00
Clinics	.....	.....	50.00
Osteology, October and November	.....	.....	25.00
For students, 2 laboratory courses	18.00	.....	.....
For students, 3 laboratory courses	25.00	.....	.....

Students will be required to pay the high rate marked "Others" for summer work, but all students who continue their work in the Medical School the following year may have the difference between the high rate and the low rate applied on their tuition for the regular session of that year.

BOARD AND LODGING

There are no residence halls for the use of the medical students, but board and lodging may be obtained at reasonable rates in private families

who live near the school. A list of these places is maintained by the College Y. M. C. A. and students may apply to the Secretary for this information.

ESTIMATED COST OF LIVING

	Lowest	Average	Liberal
Matriculation fee, payable but once	$ 5.00	$ 5.00	$ 5.00
Tuition, for each year	160.00	160.00	160.00
Breakage fee, for each year	10.00	10.00	10.00
Laboratory and Hospital tickets	5 to 25.00	5 to 25.00	5 to 25.00
Board and room	129.00	180.00	252.00
Laundry	24.00	36.00	45.00
Books and Instruments	15.00	22.00	35.00
Incidentals	50.00	75.00	100.00
	$398 to $418	$493 to $513	$613 to $632

TEXT-BOOKS AND BOOKS FOR REFERENCE FOR 1909-1910

The names of Text-books used are printed in capitals and small capitals.

Dictionaries—GOULD; Century.

Anatomy—CUNNINGHAM; Piersol; Morris; Quain; Atlases of Spalteholz, Toldt, Sabotta.

Histology—STÖHR; Stöhr-Lewis; Böhm-Davidoff; Böhm-Davidoff-Huber.

Embryology—HEISLER; McMurrich; Bailey and Miller.

Anatomical Neurology—MORRIS' HUMAN ANATOMY, PART III; Quain; Van Gehuchten; Barker; Edinger, Atlases of Spalteholz, Sabotta, Toldt.

Physiology—HALL'S TEXT-BOOK OF PHYSIOLOGY; HALL'S MANUAL OF EXPERIMENTAL PHYSIOLOGY; Text-Books of Physiology by Howell, Brubaker, Landois.

Chemistry—LONG'S TEXT-BOOK OF PHYSIOLOGICAL CHEMISTRY; LONG'S URINE ANALYSIS; REMSEN'S ORGANIC CHEMISTRY.

Pharmacology—CUSHNY, TEXT-BOOK OF PHARMACOLOGY AND THERAPEUTICS; Sollman, Text-Book of Pharmacology; Schmiedeberg, Lehrbuch der Pharmakologie; The United States Pharmacopoeia.

Pathology—DELAFIELD AND PRUDDEN; ADAMI, GENERAL PATHOLOGY; WELLS, CHEMICAL PATHOLOGY; DURCK, PATHOLOGIC HISTOLOGY; MALLORY AND WRIGHT, PATHOLOGICAL TECHNIQUE; Ziegler's General and Special Pathology; Text-Books by Stengel, McFarland, Coplin, Schmaus, Cattell; Kaufman, Special Pathology.

Bacteriology—MCFARLAND; Parks; Jordan; Williams; Muir and Ritchie; Abbott; Heim; Kolle und Wasserman.

Laboratory Diagnostic Methods—EMERSON, CLINICAL DIAGNOSIS; Wood, Chemical and Microscopic Diagnosis; Sahli, Diagnostic Methods;

Simon; Long, and Hammersten, upon Physiological Chemistry; Cabot, on Blood.

Operative Surgery—Stimson; Bickham; Morris' Human Anatomy, Part V.

Medical Jurisprudence—Draper; Reese; Taylor.

Nervous Diseases—Church and Peterson; Dana; Gowers; Dercum; Gray; Mills.

Practice of Medicine—Edwards; Osler; Davis' Heart, Lungs, and Kidneys; Eichhorst; Leube's Diagnosis; Strümpell.

Surgery—Lexer-Bevan; Keen; Martin von Bergman-Bull; Park; Da Costa; Wyeth; Bland Sutton on Tumors; Ochsner; Bryant; Jacobsen; American Text-book of Surgery; Waring's Manual of Operative Surgery.

Obstetrics—De Lee's Notes; Williams; Edgar; De Lee's Obstetrics for Nurses.

Physical Diagnosis—Butler; Vierordt; Musser; Leube; Sahli; Lefevre; Cabot.

Diseases of Children—Holt, Koplik; Hatfield; American Text-Book of Children.

Gynecology—Dudley; Byford; Webster; Kelly; Emmett; Montgomery; Reed.

Laryngology—Kyle; Coakley; McBride; Wright; American Text-book of Eye, Ear, Nose and Throat.

Dermatology—Stelwagon; Walker; Jackson.

Orthopedic Surgery—Ridlon and Jones; Bradford and Lovett; Whitman; Lovett's Lateral Curvature.

Syphilis and Venereal Diseases—Schmidt; Keyes.

Dietetics—Williams; Hutchinson; Thompson.

Hygiene and Sanitary Science—Harrington.

Diseases of the Eye—May; Fuchs.

ROUTINE OF REGISTRATION

Each student is required to register in person at the office of the Registrar before entering upon his work, at the beginning of the year. On the registration days of the first semester students must register for the work of the whole year.

Applications for admission should be addressed to the Registrar of the Medical School. When presenting himself for admission the applicant should bring an official statement of his entrance credits, if he is entering the freshman class; a letter of honorable dismissal and an official statement of his previous work, if he is entering with advanced standing from another institution. These credentials will be passed upon by the Secretary of the Faculty, Faculty Room, Davis Hall.

A new student will receive from the Secretary of the Faculty a card

entitling him to matriculate, when his admission credits are accepted. Students matriculate and pay their fees in the office of the Registrar, Davis Hall. If tuition fees are not paid on the second day of school the discount of $15 is not granted, making the tuition $175.00 for the year. After receiving a receipt for their fees, students are permitted to register for the various classes. Registration is completed on the fourth floor of Davis Hall where the Registration books are accessible. Failure to pay fees or to register entails loss of credit through failure to appear on the class lists.

GRADES OF SCHOLARSHIP

At the end of each semester the standing of a student in each of his courses is reported by the instructor to the Registrar and is entered on record. Semester records are not given to the students who are in arrears in their tuition fees, and no reports are given to seniors for fourth year work.

Work reported as of Grade D must either be made good at the next following opportunity for re-examination, or must be taken again in the class room if credit is to be obtained. Work reported as of grade E, or in which two D's have been reported must be made up in class.

No credit will be given to students for section work unless taken according to schedule with section to which student is assigned.

EXAMINATIONS

Regular examinations are held at the end of each semester. Second examinations are held in October, February and May. These are set for students who have been absent from regular examinations, or who have failed to receive a passing grade at a regular examination. Students delinquent in two or more branches, after the October examinations. are required to take those branches a second time and may not elect studies that conflict with them. Such students will be listed as unclassified. Any student who has received a D and who wishes to take a re-examination must receive permission from the Chairman of the Committee on Re-examinations.

REQUIREMENTS BOR GRADUATION

To abtain the degree of Doctor of Medicine, the candidate must be of good moral character and must maintain an irreproachable moral standing while at School; he must be at least twenty-one years of age; he must pay all fees in full; he must complete satisfactorily four full annual courses of lectures of eight months each, including all the topics listed as required; he must dissect the median half of the human body; he must be in attendance upon clinics for three years; he must secure satisfactory standing in all final examinations.

HONORS

A general honor, *Cum Laude*, is granted to students, elected by the Faculty because of uniformly good standing.

Special honors are awarded to students of uniformly good standing in required subjects and who do special work of an excellent character in any department.

RULES REGARDING GRADUATE STUDIES AND DEGREES IN THE COLLEGE OF LIBERAL ARTS

Candidates for the degree of Bachelor of Arts or Bachelor of Science are governed by the rules affecting such degrees as printed in the Annual Catalogue pages 124 to 125. Candidates for the Master's Degree are governed by the rules affecting such degrees as printed in the Annual Catalogue, pages 125 to 126, with the provision however that in addition to complying with these regulations, he is directly subject to the direction of his work by the Committee on Graduate Study in the Medical School.

Training School for Nurses

Northwestern University School for Nurses under the supervision of the Medical School, furnishes instruction in certain subjects, especially laboratory instruction for students in the Training Schools of the affiliated hospitals, and for other persons properly qualified. The requirement for admission is a high school diploma.

The courses for nurses are separate from those of the medical students, but the laboratories and the facilities of the Medical School are freely available. The practical work for nurses is given in the hospitals under the immediate charge of the teaching force of each hospital. The diplomas for nurses are granted at the University Commencement.

OFFICERS OF THE FACULTY FOR NURSES

The faculty of the School for Nurses includes many instructors connected with the hospitals and with the Medical School. The officers are as follows:

Professor Winfield Scott Hall..... Junior Dean of Medical Faculty, In Charge of Course of Study, Lecturer on Physiology and Dietetics.

Sister Mary Veronica.....Principal of the Training School of Mercy Hospital and Superintendent of Nurses

Bertha L. Knapp, R.N.....Principal of the Wesley Hospital Training School

COURSES OF INSTRUCTION FOR NURSES

Anatomy—Demonstrations from the human subject covering especially (1) Surface landmarks of all important structures of the body cavities and of surgically important regions; (2) Anatomy of the abdominal organs; (3) Anatomy of the thoracic organs; (4) Anatomy of the pelvic organs and the genitalia. Twenty-four periods. Dr. Kurtz.

Chemistry—Laboratory work and recitations on elementary inorganic and organic Chemistry, covering the fundamental principles of Chemistry

and of chemical reactions, and of molecular structure; also the chemical properties of the principal elements and compounds. This course is required as preparatory for the course in Physiology and Dietetics. Twenty-four periods. Professor Long and Mr. Johnson.

Physiology and Dietetics—Laboratory work and recitations covering the subject of nutrition; and the chemistry of food-stuffs and of foods; the chemistry and motor phenomena of digestion; the chemical changes which foods undergo in the body; the process of excretion. The principles of Dietetics, covering the food value of food-stuffs, of foods, and of menus, and the devising of typical menus for various conditions of health and disease. Thirty-two periods. Professor Hall.

Bacteriology—Laboratory work, demonstrations and recitations covering the general principles of bacterial life and growth, and the principles of sterilization and disinfection. Twenty-four periods. Professor Zeit and Mr. Wayson.

Information regarding the complete courses offered to Nurses in the affiliated Hospitals may be obtained by addressing the Principal of either the Mercy or Wesley Hospital Training School for Nurses, Chicago, Illinois.

Information regarding the Medical School may be obtained by addressing Northwestern Medical School, 2431 Dearborn Street, Chicago.

The Law School

THE LAW SCHOOL was founded in 1859 with a sum of money given by Thomas Hoyne, when there were only three similar schools west of the Allegheny Mountains. The first dean was Henry Booth, 1859-1891. For many years the School was under the joint control of the old University of Chicago and of Northwestern University, and was known as the Union College of Law. In 1891, the other University having long ceased to share in the management and being about to surrender its charter, Northwestern University assumed sole control, and the School has since borne the name of the University.

The course of study is arranged to give the knowledge of the law that will be indispensable to students wherever they may practice. Graduates of the School now practice in nearly forty States and Territories. Special opportunities are afforded for acquiring a knowledge of the law of Illinois, the peculiarities of which are pointed out in every course.

The Case system, or the study of the principles of law as demonstrated in actual cases, is followed almost to the exclusion of the use of text books. This requires more reading on the part of the student, but gives him in return that ready facility in extracting principles of law from decided cases and applying them to cases in practice which must be acquired by every lawyer. The extensive and comprehensive library of the School lends itself peculiarly to this modern and scientific mode of instruction.

The School is located in the Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago, which was acquired and rebuilt in 1901-1902, at a cost of nearly one million dollars, as a permanent home for the departments of law, pharmacy, and dentistry. It is situated near the center of the business district of Chicago and is of easy access from all residence portions of the city. The City, State, and Federal Courts are within a few blocks. The School occupies 24,000 square feet of space, divided into convenient lecture rooms, assembly-rooms, study-rooms, professor's offices, court-room, and library. The arrangement of the rooms, opening on an inner court-yard, ensures seclusion and quiet for study.

Abram Winegardner Harris, Sc.D., LL.D.
President

John Henry Wigmore, A.M., LL.B., LL.D.
Professor of Law; Dean

Frederick Beers Crossley, LL.B.
Secretary and Librarian

Charles Cheney Hyde, A.M., LL.B.
Associate Professor of Law

Albert Martin Kales, A.B., LL.B.
Associate Professor of Law

Charles George Little, A.B., LL.B.
Associate Professor of Law

Henry Schofield, A.M., LL.B.
Professor of Law

Louis May Greeley, A.B., LL.M.
Professor of Law

George Purcell Costigan, Jr., A.M., LL.B.
Professor of Law

Edwin Roulette Keedy, A.B., LL.B.
Professor of Law

Levi Harper Fuller, B.S., LL.B.
Professor in the Law of Procedure

Mitchell Davis Follansbee, A.B., LL.B.
Professor in the Law of Procedure and in Legal Ethics

Charles Byrd Elder, LL.B
Instructor in the Law of Judgments and Extraordinary Legal Remedies

Henry Clay Hall, A.M., LL.B.
Instructor in the Law of Insurance

Charles Clarence Linthicum, LL.B.
Lecturer on the Law of Patents

Charles Ernest Pickard, A.B.
Lecturer on the Law of Trademark and Copyright

Joseph Thomas Robert
Lecturer on Parliamentary Law

Charles Yoe Freeman, A.B., LL.B.
Lecturer on Corporation Practice

Alfred William Bays, A.B., LL.B.
Instructor in Moot Court; Lecturer on General Practice

Albert Kocourek, LL.B.
Lecturer on Jurisprudence

The first group includes those who have offices in the School building. The second group includes all other members who under the statutes of the University have seats in the Faculty as officers of government.

The Library

The library is well equipped for study and research. It comprises the United States reports, the official Reports of all the States, the complete National Reporter System, partly in duplicate, complete sets of the leading series of selected cases and all of the official Illinois Reports in duplicate, statutes of all the states, complete sets of representative legal periodicals, a collection of digests, encyclopedias and text-books. Of the English sources it possesses the complete Law Reports since 1865, substantially all the other regular Reports since the beginning of the Tear Books, except those appearing in law journals, the complete statutes, the modern reports of Ireland, and Supreme Court of Canada.

The Law School Library includes also the following special collections representing a portion of the gift to the Library of Hon. Elbert H. Gary, '67, of New York:

The Gary Collection of Modern Continental Law, now numbering over 15,000 volumes on the law of twenty-one European countries, as contained in statutes, decisions, journals, and treatises, is not paralleled in scope by any other collection in the United States. As a source of investigation for Continental Law it provides facilities hitherto wholly unavailable.

The Gary Collection of International Law of nearly 3,000 volumes includes printed material relating to American International Law and Diplomacy not elsewhere available in the West.

The Gary Collection of Ancient, Oriental, Primitive, and Mediaeval Law includes among others, the Hindu, Mohammedan, Hebrew, Babylonian, Egyptian, Greek, Chinese, and Japanese systems, as well as the mediaeval Euproean materials, and is invaluable to students of comparative law, politics, and legal history.

The Gary Collection of Roman and Civil Law numbers nearly 3,000 volumes, including the library of the late Moritz Voigt, of Berlin, Germany, and contains many rare volumes not found in any other American library.

The Gary Collection of Latin-American Law has been begun, and will include the modern laws of all Central and South American States.

The Gary Collection of Jurisprudence and Philosophy of Law numbers 500 volumes, and includes all the important American, English, German, French, Italian, and Latin texts on this subject.

The Gary Collection of Anglo-American Legal History will include all available material relating to English and American historical legal literature, complete sets of Colonial Session laws (mostly reprints), revisions, contemporary and modern treatises on the laws of the Colonies, and all other material related to the history of the development of the Common law in England and the United States. This collection now numbers about 2,000 volumes, and contains many rare and valuable historical treatises.

Admission and Instruction

The candidate for admission as a regular student must be at least eighteen years of age.

A graduate of a college, university, or technical school may be admitted without examination upon the presentation of his diploma.

The graduate of a high school or academy maintaining a four-year course of study of satisfactory grade may be admitted without examination upon the presentation of a satisfactory certificate from the proper school authority.

A candidate who has pursued a course of study equivalent to the four-year academic course may be admitted without examination upon the certificate of an authorized public officer, or of a proper officer of an institution of advanced learning.

All other applicants for admission must pass a satisfactory examination upon the subjects required for entrance to the College of Liberal Arts of this University. For these requirements see page 68.

COMBINED COURSES

A member of the third or fourth year class, in good standing in the College of Liberal Arts, may elect work in the course in Law which shall count toward his graduation in both the College of Liberal Arts and in the Law School, but the work elected cannot exceed one year's work in the Law School. Each election is subject to the approval of both faculties. This provision enables a student to complete a course in the College of Liberal Arts and Law in six years.

A member of the Law School may pursue not more than one course at a time in the College of Liberal Arts during the period of his registration in the Law School without additional charge for tuition.

ADVANCED STANDING

The requirements for advanced standing are explained under the title Requirements for Degrees, page 211.

SPECIAL STUDENTS

Persons, not candidates for a degree, may pursue one or more courses as special students, provided they are qualified to pursue such courses to advantage. They will receive a certificate for all work done and may enter at any time as candidates for a degree, provided they were substantially qualified under the above requirements for admission as regular students at the time of first entering the School. No special student may take more than twenty-five semester hours of work in one year without special permission from the Dean.

TIME FOR ENTRANCE

Students are urged to enter at the beginning of the year. The disadvantages of late registration are embarrassing, especially to students who intend to practice law in Illinois.

Application for advanced standing must be made before November 1 in the year of entrance. Registration for the graduate or fourth year course must be made before October 1.

COURSES OF STUDY

The courses of instruction offered make a total of 117 semester-hours, and are carefully graded in three years. A regular student may take any course offered in the year to which he belongs, or any course not already taken in a preceding year; but he may not take, without special permission, a course assigned to a succeeding year, except Constitutional Law, Carriers, and Patents of Invention, which may be taken in the second year. Conveyancing and Property III are not open to students who have not previously taken Property I and II.

SCHEDULE OF HOURS

In general the schedule of hours is arranged as follows: First year courses, between two and five o'clock in the afternoon; second year courses, between nine and twelve o'clock in the morning; third year courses, between three and seven o'clock in the afternoon. The Practice Court is held in the evening at half-past seven.

Courses of Instruction

The Degree of LL. B.

FIRST YEAR

First Semester

Introduction to the Study of Law—Private reading in Course A, Courses of Reading in Legal History, Biography, and Jurisprudence, as described on page 204. Written examinations, with a credit of one semester hour. Prescribed.

Contracts—Three hours. Williston's Cases on Contracts. Professor Costigan.

Torts—Three hours. Ames' and Smith's Cases on Torts. First Edition. Professor Wigmore.

Property I—One hour. Gray's Cases on Property, Vol. I. Personal Property. Professor Kales.

Crimes and Criminal Procedure—Three hours. Beale's Cases on Criminal Law; and selected Readings. Professor Keedy.

Damages—One hour. Beale's Cases on Damages. Professor Schofield.

SECOND SEMESTER

Contracts (continued)—Three hours. Professor Costigan.

Torts (continued)—Two hours. Professor Wigmore.

Property I (continued)—Three hours; Gray's Cases on Property, Vols.

I, II, tenures and estates, fixtures, profits, easements, covenants, rents. Professor Kales.

Common Law Pleading and Procedure—Three hours. Ames' Cases on Pleading, second edition; Andrew's Stephens on Pleading; practical exercises. Professor Keedy.

Master and Servant in Torts—One hour. Wambaugh's Cases on Agency. Professor Wigmore.

SECOND YEAR

First Semester

Legal Writing and Forensics—Course II, Moot Court, as described on page 209. Oral and written work, once a week, with a credit of one semester hour. Prescribed. Mr. Bays.

Legal History and Biography—Prescribed and optional private reading; Courses B, BA, and BB, as described on page 204. Written examinations, with a credit of one semester hour for each course.

Evidence—Two hours. Wigmore's Cases on Evidence. Professor Wigmore.

Trusts—Three hours. Ames' Cases on Trusts. Professor Costigan.

Agency—Two hours. Wambaugh's Cases on Agency. Professor Keedy.

Commercial Paper—Three hours. Ames' Cases on Bills and Notes. Professor Greeley.

Equity Jurisdiction—Three hours. Ames' Cases on Equity Jurisdiction. Professor Schofield.

Property II—Two hours. Gray's Cases on Property, Vols. III, IV. Acquisition of real property inter vivos, including deeds, covenants, etc.; devolution of property at death, including descent, wills, and administration. Professor Kales.

Equity Pleading and Procedure—Two hours. Thompson's Cases on Equity Pleading, and practical exercises. Professor Keedy.

Persons (*Domestic Relations*)—Two hours. Smith's Cases on Persons. Professor Kales.

Second Semester

Evidence (continued)—Two hours. Professor Wigmore.

Property II (continued)—Two hours. Professor Kales.

Equity Jurisdiction (continued)—Three hours. Professor Schofield.

Quasi-Contracts—Two hours. Woodruff's Cases on Quasi-Contracts. Given in 1909-1910, and alternate years. Professor Costigan.

Sales of Personalty—Three hours. Williston's Cases on Sales. Professor Little.

Insurance, Fire and Life—Two hours. Wambaugh's Cases on Insurance. Mr. Hall.

Public Service Corporations—Railroad, Telegraph, Gas, Water, Warehouse, and similar Services. One hour. Beale's and Wyman's Cases on Public Service Corporations. (Omitted in 1909-1910). Mr. Bobb.

Legal Writing and Forensics (continued) Moot Court, once a week. Mr. Bays.

THIRD YEAR

First Semester

General Jurisprudence and History of Law—Private reading: Courses C, 1, 2, 3, 4, as described on page 206. Written examinations, with a credit of one semester hour for each course. Prescribed.

Corporations—Two hours. Smith's Cases on Corporations. Professor Little.

Procedure and Practice in Illinois—Two hours. Professor Follansbee.

International Law I—Two hours. Professor Hyde. Scott's Cases on International Law, and topics for research. In 1909-1910, four hours.

International Law II—American Treaties and Diplomacy; topics for research. Two hours. Omitted in 1909-1910. Professor Hyde.

Conflict of Laws—Three hours. Beale's Cases on Conflict of Laws. Professor Hyde.

Suretyship—Two hours. Ames' Cases on Suretyship. Professor Little.

Judgments, and Auxiliary Legal Remedies—Attachments, Garnishments, Execution, etc. One hour. Rood's Cases on Attachments and Judgments. (Given in 1909-1910 and alternate years.) Mr. Elder.

Constitutional Law—Three hours. Thayer's Cases on Constitutional Law. Professor Schofield.

Property III—Two hours. Gray's Cases on Property, Vols. V, VI. Conditional and future interests; restraints on alienation; fraudulent transfers; registration of deeds; conversion and election; joint ownership; curtesy and dower; homestead. Professor Kales.

Conveyancing—One hour. Drafting exercises, study of selected abstract and lectures on practice. Professor Greeley.

Practice Court—Two hours a week, at a single session. Causes prepared and conducted through all details of litigation, by students as attorneys and counselors, under the direction of a professor as judge. Professor Fuller.

**Patents of Invention I*—General Survey. Five Lectures. Professor Linthicum.

II—Patent Soliciting. Twenty lectures, with practical exercises.

III—Patent Law and Practice. Forty lectures.

Parts II and III will not be given, unless at least twenty special students apply for them before October 15.

*These three form a single course; the first part is open to all students; the second and third parts are open to students of the second and third years, and to special students, but cannot be taken separately. The number of lectures is equivalent to two hours a week through the year, and work in the course will therefore be credited as four semester hours.

Second Semester

Corporations (continued)—Two hours. Professor Little.

Corporation Practice—One hour. Practical exercises in conducting corporate legal business, drafting instruments, etc. Mr. Freeman.

Constitutional Law (continued)—Two hours. Professor Schofield

Conveyancing (continued)—One hour. Professor Greeley.

Code Pleading and Procedure—Two hours. Hinton's Cases on Code Pleading. Given in 1908-9 and alternate years. Professor Costigan

Property III (continued)—Two hours. Professor Kales.

Analytical Jurisprudence (continued)—Two hours. Mr. Kocourek.

Mortgages—Two hours. Kirchwey's Cases on Mortgages. Professor Greeley.

Roman Law—Two hours. (Omitted in 1909-1910.)

Carriers—Three hours. Beale's Cases on Carriers. Professor Greeley

Bankruptcy—Two hours. Williston's Cases on Bankruptcy. Professor Keedy.

Municipal Corporations—One hour. Smith's Cases on Municipal Corporations. Professor Schofield.

Partnership—Two hours. Ames' Cases on Partnership. Professor Little.

Extraordinary Legal Remedies (Mandamus, Quo Warranto, Habeas Corpus, etc.)—One hour. Roberts' Cases on Extraordinary Legal Remedies. Given in 1908-09, and alternate years) Mr. Elder.

Jurisdiction of Federal Courts—One hour. Professor Schofield.

Practical Problems in Contemporary Legislation—Study, reports, and discussions, as described on page 206. One hour. Professor Wigmore

Original Research and Thesis—Credit not to exceed two semester hours may be given, as prescribed on page 209.

Mining Law—Two hours. Selected cases. (Given in 1910-11 and alternate years) Professor Costigan.

Irrigation Law—One hour. Selected cases. (Given in 1910-11 and alternate years) Professor Costigan.

Reading in Legal History, Biography and Jurisprudence

A credit of *one semester hour* is given on passing the examination in each of the following courses. The courses required for graduation as listed on page 211 in this article, Requirements for Degrees, are here designated as prescribed.

The Law School provides a sufficient number of duplicate copies of the books named for the prescribed reading, but students are recommended to own the books named, if they can afford to purchase them, in order to read during the summer vacation.

An examination in all the courses is held at the beginning of the first year and at the end of the second semester, and for Course A at the end of the first semester; the student desiring to take an examination must file notice in the Secretary's Office at least two days before the announced date of examination. A student failing at any examination may take the next regular examination, if he has reviewed the work. A student may take any of these examinations at any time after entering the School no matter to what class he belongs.

No lectures are given in any of these Courses, except C1, C2, and C4, the lecture courses of Jurisprudence, International Law, and Roman Law. The work is done by private study, but the courses are under the general supervision of the Faculty, who give advice on the desired subjects of study.

FIRST YEAR

a. *Introduction to Legal History and the Study of Law*—Materials for reading: (a) Blackstone's Commentaries, any edition; Introduction, Sections 1-4; Book I, Chapters 1, 2, 5, 9, 11, 12, Book II, Chapters 4-6; Book III, Chapters 3-9, 12, 13, 17-27; Book IV, Chapters 19-25, 27-29, 32, 33; (b) Woodruff's Introduction to the Study of Law; (c) Wambaugh's Study of Cases, Part I. Credit, *one semester hour. Prescribed.*

SECOND YEAR

b. *History of the Bench and Bar*—Materials for reading: Campbell's Lives of the Chancellors, later editions, Volumes VIII-X, Erskine to Brougham inclusive, excepting chapters 181, 186, 189, 194, 199, 201, 203, 205, 209, 228, 229; Campbell's Lives of the Chief Justices, Volume III, chapters 30-40, Mansfield; the two essays of Zane and Veeder, in Select Essays in Anglo-American Legal History, Volume I, edited for the Association of American Law Schools, 1907. Credit, *one semester hour.* Prescribed.

ba. *History of the Bench and Bar*—Materials for reading: (a) Campbell's Lives of the Chancellors, Volumes VI and VII, Hardwicke to Loughborough inclusive, excepting chapters 132, 133, 134, 146, 147, 149, 150, 151; (b) Campbell's Lives of the Chief Justices, Volume IV, Kenyon to Tenterden inclusive, excepting chapter 50; or, any one of the following English biographies: Arnould's Life of Denman; Hardcastles' Life of Campbell; O'Brien's Life of Russell; Atlay's Victorian Chancellors; (c) Any two of the following American biographies: Life and Letters of Joseph Story; Harvey's Reminiscences or Lodge's Life of Daniel Webster; Brown's Life or Neilson's Memoirs of Rufus Choate; Memoirs and Letters of James Kent; Memoirs of Sargent S. Prentiss; Magruder's Life of John Marshall; Caton's Bench and Bar of Illinois; Carson's History of the Federal Supreme Court; or, any three volumes of Lewis' Great American Lawyers. Credit, *one semester hour.* Optional.

bb. *History of the English Legal System*—Materials for reading: (a) Pollock and Maitland's History of the English Law, Volumes I, II; or Holdsworth's History of English Law, Volumes I, II, III; and (b) The following works: Holmes' The Common Law; Stephen's History of the Criminal Law; or (c) Select Essays in Anglo-American Legal History, Volumes I, II, and III. Credit, *one semester hour.* Optional.

THIRD YEAR

One at least is prescribed from the four following:

c1. *Jurisprudence*—Any one work under each of the following two divisions: (a) Analytical Jurisprudence: Austin's Jurisprudence; Holland's Salmond's Jurisprudence; Terry's Principles of Anglo-American Law. (b) Historical Jurisprudence: Maine's Ancient Law; Fustel's Ancient City; Lee's Historical Jurisprudence. Credit for work done in the course on Analytical Jurisprudence, in the general curriculum, is accepted in place of this Course. Credit, *one semester hour.*

c2. *International Law*—Materials as prescribed in the regular course, International Law I. Credit, *one semester hour.*

c3. *Roman Law*—Any one of the following texts: Gaius' Institutes, edited by Poste; Justinian's Institutes, edited and translated by Moyle; Pound's Readings in Roman Law. Credit for work done in the course on Roman Law, in the general curriculum, is accepted in place of this Course. Credit, *one semester hour.*

c4. *History of Germanic Law*—Any one of the following works: Heusler's Institutionen des Deutschen Rechts; Brunner's Deutsche Rechtsgeschichte; Brissaud's Manuel d'histoire du droit français. Credit, *one semester hour.*

Course in Practical Problems in Contemporary Legislation—This advanced, or seminar, course, open to third-year students whose scholarship average is not leas than B, will be offered in the second term of the year. The course will count as one semester hour of credit, and will be given in sessions of two hours each week for the second term, each session to be in the nature of a conference, and to consist of a report by one member of the class, followed by criticism from the other members and the instructor. A list of select topics, not less than twenty-five in all, is posted on the Bulletin Board by October 15, and therewith a short reference list for each topic to the appropriate material. The topics will be assigned to the members of the class according to their preferences; for this purpose all persons desiring to take the course must register with the Secretary before October 15, and the topics will be assigned at a preliminary meeting called as soon thereafter as may be feasible. Each member will be expected to make a thorough study of the available materials under his topic. He will then at the conference present a short written summary of the nature of the problem, the proposed remedies, and his conclusions thereon, accompanied by a bibliog-

raphy of the materials consulted. This short report must be circulated in manifold, among all members of the course, one week beforehand. A more extended report or essay, covering all details, will be filed later with the instructor. The number of members of the course is *limited to sixteen*. An excess of applications over this number will be apportioned according to some plan to be settled between the instructor and the applicants. Each member will have but one topic assigned to him, and will make his report at such time after February 1 as may be determined by mutual agreement at the preliminary meeting in October.

Graduate or Fourth Year Courses Counting for the Degree of Juris Doctor

The candidate may offer any third-year lecture-course not previously taken, and reading courses chosen from the following list:

History and Biography of the Bench and Bar—To include the reading of all the materials named in Course BA, under courses of Reading in Legal History; and an essay on a selected topic.

History of the English Legal System—To include the reading of all the materials named in Course BB, under courses of Reading in Legal History; and an essay on a selected topic.

History of American Law—A study of the history of a subject in the law of one or more jurisdictions of the United States.

Analytical Jurisprudence—To include the reading of all the materials named in Course C1 (a), under courses of Reading in Legal History; and an essay on a selected topic.

Primitive Law—To include the reading of all the materials named in Course C1 (b), under courses of Reading in Legal History; and an essay on a selected topic.

History of Roman Law—A study in the history of a topic in Roman Law; this must be preceded by the lecture course in Roman Law, or its equivalent.

History of Germanic Law—To include the reading of all the materials named in Courses C4, under courses of Reading in Legal History; and an essay on a selected topic.

Modern Continental Law of Europe—A study of some subject of contemporary law in one or more European Continental countries.

Comparative Legislation—A study of some problem of modern legislation in two or more countries of Europe or America.

Comparative History of Legal Ideas—A study of the development of some legal idea or transaction in different independent systems, European and non-European.

Legal Bibliography—The preparation of a topical bibliography on a branch of the law named in these courses or on a substantial part of such a branch.

Ecclesiastical Law—A study of some topic of ecclesiastical law, European or American.

Constitutional and Administrative Law of Continental Europe—A comparative study of a constitutional or administrative principle in the countries of Continental Europe.

Legal Ethics—A study of a problem of legal ethics.

Principles of American Law—A study of a doctrine or rule of law in one or more jurisdictions of the United States.

Parliamentary Law—A study of a rule of parliamentary law or practice as applied today in deliberative bodies.

Not Counting for a Degree

Trade-Marks and Copyrights—Six lectures. Mr. Pickard.

General Review—Given twice, in September and June, prior to the State examination for admission to the Bar. Five hours a week for a month. Mr. Bays.

Legal Ethics—Five lectures. Professor Follansbee.

Patents—Five lectures. Professor Linthicum.

Training in Legal Writing and in the Practice of the Law

As a part of the systematic instruction in the body of the law, represented in the foregoing curriculum, an effort is made to provide adequate training in the practical use of legal knowledge and discipline, and in certain important details of legal writing and speaking which help materially to equip the accomplished lawyer. The various branches of work directed to this end are as follows:

Pleadings and Other Instruments—The courses on Common Law Pleading, Code Pleading, and Equity Pleading, in addition to the study of the legal sources, include exercises in the drafting of the various kinds of pleadings. In Corporations the class is formed during the second semester into two corporations, which organize, elect officers, issue stock, enlarge capital, keep books, consolidate, and do various other acts of corporate business calling for the drafting of instruments and in other ways familiarizing the student with the use of the legal knowledge acquired. In other courses, particularly in Commercial Paper, Carriers, Insurance, attention is paid to the forms of instruments in common use.

Conveyancing—In the course on Conveyancing, the chief material consists of a series of fifteen selected abstracts of title representing a great variety of documents and proceedings involving property rights. A separate copy of each abstract is given each member of the class, and a detailed study of matters of form and substance, is made from the conveyancer's point of view, and with regard to the laws of different states. Thorough work

in this course ought to equip the student as a practical conveyancer at the time of his entering upon his profession. No one may take this course who has not taken the courses Property I and II.

Trial Practice—The courses on Procedure and Practice give a systematic and detailed survey of the rules of law. The course on Evidence includes an auxiliary drill in the use of the rules. The Practice Court gives the third year student opportunity to become practically familiar with these rules by the application of them in litigation managed by himself. The sessions of the Court are held weekly, on Thursday evenings, for two hours. During each session from one to three cases are tried, with and without a jury; and other cases are disposed of in various aspects. Between the sessions, causes are being prepared and advanced from stage to stage by the student-attorneys in charge. While the proceedings are dispatched at the hearings by the respective attorneys, all members of the class are required to attend, to make notes and to report on the work done. A faithful attention to this course ought to give the graduate experience in the use of legal knowledge that will materially assist him in starting in his profession. The systematic pursuit of such a course under an experienced instructor affords the student results more thorough, accurate, and extensive than can be obtained in the desultory service of a law office during a long period. A copy of the printed Rules of the Practice Court will be mailed upon request.

Theses—To encourage original research, the Faculty will grant credits, not to exceed two semester hours, to any member of the third-year class who shall present a satisfactory thesis upon some legal topic. The topic must be approved by a member of the Faculty before December 1 and the thesis must be presented on or before May 15 of the year in which the student expects to graduate; it must be printed or typewritten, and becomes the property of the School. The work should be begun not later than October.

Editorial Work—To edit and digest for the profession the opinion and record of a decided case is of great value in cultivating the skill required in preparing briefs and analyzing precedents. Each year not more than seven second and third-year men of known ability are appointed Associate Editors of the *Illinois Law Review*, to digest manuscript decisions of the Appellate Court.

In 1908-1909, the Associate Editors were Mr. Johnson, Mr. Lockart, Mr. Stern, Mr. Wolf, Mr. Hoffman, and Mr. Schupp.

Legal Writing and Forensics

Moot Courts—A moot court is held in the second year once a week from November 1 to May 1, at 1:45 p. m. The class is divided into two sections A and B, meeting on alternate weeks. The work consists of the preparation and delivery of arguments and opinions of law on statements of facts assigned beforehand, and is in charge of the Instructor in Forensics, with the assistance of the other members of the Faculty.

No student is recommended for a degree, except by unanimous vote of the Faculty, who has not satisfactorily done the work of this course; but students entering the third-year class from another school may by vote of the Faculty be excused from this course. Credit, *one semester hour.*

Public Debate—Students selected in April at the preliminary contest to compete in the second preliminary for the Towle Prizes for Public Speaking and taking part therein, receive one semester hour of credit. Students who have not taken Ia and Ib, or the equivalent in another school, are not eligible.

Legal Advice Clubs—Third year students may form Legal Advice Clubs, by voluntary selection on or before October 10, supplemented by assignments to vacancies by the Secretary of the School. Each club contains not less than four nor more than six members, and elects a Secretary. Difficult cases arising in actual practice, sent in for advice by alumni or other practitioners, are submitted to the Clubs in rotation as the cases come in. A written opinion, citing authorities, is handed to the professor specially in charge. A credit of *one semester hour* may be allowed each member of a club.

Legal Aid Society—After October 1 not more than ten students are assigned as assistants in the Chicago Legal Aid Society, University Branch, for practical office and trial work. No student having grade C in more than one course is eligible for assignment. The hours of work are determined by agreement with the Superintendent of the Society. In 1908-1909 each student attorney gave one or two half-days a week to the work of this Society.

General Statements

PRIZES, HONORS, AND SCHOLARSHIPS

Scholarships for Students—Fifteen students are appointed annually as assistant librarians and monitors. These receive one hundred twenty-five dollars each in compensation for their services. Applications for appointments should be addressed to the Secretary of the School.

The Towle Prizes—A first prize of $100, and a second prize of $50, the gift of Henry Sargent Towle, Esquire, Chairman of the Law School Committee of the Board of Trustees, will be awarded to the students who shall, in public competition, be adjudged most proficient in debate.

The Follansbee Prize—A prize of $50, the gift of Mitchell Davis Follansbee, Esq., will be awarded to the writer of the best thesis on the same subject relating to Legal Ethics.

The Hyde Prize—The interest on a fund of $700, the gift of Charles Cheney Hyde, Esq., is awarded not oftener than once in two years to the writer of the best thesis on some subject relating to International Law.

The MacChesney Prizes—As a first prize, a framed etched or engraved portrait of one of the American or English jurists named on page 204, selected by the prize-winner, and as a second prize, the complete works of one of the American or English legal authors named on page 205, selected by the

prize-winner, the gift of Nathan William MacChesney, Esq., will be awarded to those members of the second or third year classes who shall submit before June 1 the best essay on some topic connected with the subjects of Courses b, ba, bb, and c, in the Courses of Reading on Legal History, Biography, and Jurisprudence. The prizes will be awarded by a committee consisting of the Dean of the School, the Editor-in-Chief of the *Illinois Law Review*, and a third person to be selected by them. The successful papers will be published in the *Illinois Law Review*.

The Kocourek Prize (A Prize of $50, the gift of Albert Kocourek, Esq.,) will be awarded to the writer of the best thesis, in a competition among three or more students, on some juristic subject. In lieu of a thesis there may be presented a translation into English of not less than five thousand words on some phase of a juristic subject not already translated into English. This prize is offered for the first time in 1909-1910.

The Pound Prize—A prize of $25, the gift of Roscoe Pound, Esq., will be awarded the student of the graduating class who has the best record in scholarship for the entire course. This prize is offered for the first time in 1909-1910.

The Gage Prize in Debate—Students of the Law School may compete for the Gage Prize as described on page 130.

Oratorical Contest of the Northern Oratorical League—Students of the Law School who have completed not more than four years of undergraduate study are eligible to compete for appointment as representatives of the University in the contest of the Northern Oratorical League. For further information see page 130.

REQUIREMENTS FOR DEGREES

All degrees are conferred at the University Commencement. Candidates for degrees are required to present themselves in person. The Oxford cap and gown are worn as the official dress.

Bachelor of Laws

The degree of Bachelor of Laws is conferred upon the students who are recommended therefor by the Faculty of the School. Such students will be recommended as in the judgment of the Faculty are of fit character and have complied with the following requirements:

Length of Attendance—Regular attendance for three years is required of all students, with the following exceptions: (1) students having credit for one year in law, either from a college or a law school, in good standing, may obtain a degree in two years; (2) students having completed satisfactorily two years in a law school in good standing may obtain a degree in one year;

(3) students having completed satisfactorily one year in a law school of good standing, and having credit for one year in law from a college in good standing may become candidates for a degree in one year, by special permission of the Dean.

Applications for advanced standing must be presented before November 1 of the year of entrance.

Candidates for a degree must register for courses amounting to at least ten hours a week for each year.

Courses of Study—Candidates for a degree must obtain credit in courses amounting to sixty-six semester hours, including at least ten hours of credit obtained in each semester of the third year.

Persons who have satisfactorily completed a two-year course of study in a law school in good standing may be given credit for this work, but in no case to exceed one-half of the amount above required.

Persons who have satisfactorily completed less than two years study of law in a college or law school in good standing may be given credit for this work to an amount to be determined in each case by the Dean. The subjects on which this credit is applied will be determined by the Secretary at the time of admission.

Grades of Scholarship—Four grades are given: A, excellent; B, satisfactory; C, unsatisfactory; D, failure. A candidate may offer for a degree courses with grade C for only one-sixth the amount of credits required to be obtained by him in this School, except that he may also offer courses with grade C to the extent to which he has other courses with grade A.

Specific Courses Required—In reckoning the sixty-six semester hours above mentioned, no specific courses need be included, except as follows: (1) The candidate must obtain an average grade of not less than C in the prescribed courses of Reading in Legal History, Biography, and Jurisprudence, namely, a, b and c1, or c2 or c3 or c4. A student entering with advanced standing may be excused from course a; and a student who, in a college or law school, has already obtained credit for work equivalent to Course c1, c2, c3 or c4, accredited in this School, may be excused from Course c. (2) The three-year course in Forensic Writing and Speaking must be completed.

A student entering with advanced standing who has not taken equivalent work elsewhere is subject to the remaining requirements applicable to the class he enters, except that a candidate for a degree in one year may be exempted from specified parts of the work, or may be required to take the second year work.

Promotions—(1) A regular student of the first year class, not at the time a candidate for the degree of A.B. or B.S. in the College of Liberal Arts, who obtains less than sixteen hours of credit in this year, is permitted to enter the second-year class, as candidate for a degree in two additional years, only on

condition that he obtain no mark lower than B in the examinations at the end of the first semester of the second year and shall obtain by the end of that year a total of forty hours of credit.

(2) A regular student of the second-year class who obtains less than forty hours of credit in all the work of the first two years will be permitted to enter the third-year class, as candidate for a degree in one more year, on condition only that he obtain by the end of the first term of that year a total of fifty-two hours of credit.

(3) In estimating the above credits, the usual rule for counting marks of A and C shall apply.

(4) When in any case the conditions above mentioned are not fulfilled, the student may continue in the School as a candidate for a degree in not less than four years from the time of beginning.

(5) The foregoing rules shall be applied by the Dean and the Secretary, and each case of such conditional admission shall be reported to the Faculty. But in any case, on petition, the Faculty, by vote, may authorize an exception from the rule or may allow the continuance in regular standing of a student who has not fulfilled a condition imposed under these rules.

Master of Laws

A candidate for the degree of Master of Laws will be required to meet the following conditions: (1) They will have obtained the degree of Bachelor of Laws in this University, or in some university or college having equal requirements. (2) He will complete, in addition, one year of residence in this School, during which time credit must be obtained in not less than from fifteen semester hours in third-year courses not previously counted toward the Bachelor's degree. (3) He will complete an exhaustive study of some topic of local law, pass an examination thereon, and present a paper embodying the results, of such character as to be suitable for publication in the *Illinois Law Review*.

Juris Doctor

The candidate for the degree of Juris Doctor will be required to meet the following conditions: (1) He will present a diploma of the degree of A.B., or of an equivalent degree, from the College of Liberal Arts of this University, or other college in which the requirements are substantially equivalent; or a certificate showing the completion of at least two years work in such a college, including at least one course each in Latin, French and German; (2) He will have obtained the degree of Bachelor of Laws in this University, or in one whose requirements are substantially equivalent; (3) He will obtain credit in the courses of the fourth or graduate year to the amount of twenty semester hours, of which not more than ten are to be obtained in the lecture courses and not less than ten in the reading courses; but in the reading courses the work done in any of the courses may be given a credit not to exceed five hours

or in any two or any three of the courses a credit not to exceed seven hours, provided two members of the Faculty so certify.

Candidates will register on or before the first Monday in October of the year of candidacy; they will pay half the fees of a special student for the lecture courses, the library fee of alumni, and a diploma fee of twenty dollars.

Master of Arts or of Science

The Master's degree in Arts or Science will be conferred under the following conditions:

A graduate of the College of Liberal Arts of this University, or other college maintaining equivalent requirements for the Bachelor's degree in Arts or Science, may obtain the Master's degree, at the same time with the degree of Bachelor of Laws by pursuing, with the sanction of the Faculty of Liberal Arts, advanced work in subjects approved by that Faculty, and obtaining credit to the amount of twelve semester hours; and by presenting a thesis of an approved topic. The courses of study may, in part or entirely, deal with legal subjects; but courses of legal study, in order to count for the degree, must be of an advanced nature, must not otherwise be counted for the degree of Bachelor of Laws, and must be pursued under the direction of a member of the Faculty of the Law School. Students in law, intending to become candidates for the Master's degree, will register for the same degree in both the College of Liberal Arts and the Law School on or before the first Monday in October of the year in which they expect to graduate, and will pay the diploma fee of ten dollars. The Master's degree is open, upon the same terms, to graduates of the Law School who register before the October next following the completion of their professional course.

The following subjects have been approved by the Faculty of the College of Liberal Arts as counting for the Master's degree: CONSTITUTIONAL LAW, INTERNATIONAL LAW, ADMINISTRATIVE LAW, ROMAN LAW, JURISPRUDENCE, LEGAL HISTORY.

THE ORDER OF THE COIF

The Order of the Coif was organized in 1907. Its purpose is the encouragement of scholarship and the advancement of ethical standards in the legal profession. The membership consists of seven regular students in each class of the Law School who receive the highest grades in scholarship, four of whom are elected and installed in the month of May of the second school year of the class, and the other three in the month of October of the third year of the class. The members elected from the class of 1910 may be found on page 294.

FEES AND EXPENSES

These rates apply only to students registered after June 1, 1910.

Matriculation fee, paid at first registration in the University..... $ 5.00
Tuition Fee, for regular students, a year..... 150.00
Payable $50 October 1, $50 January 10, and $50 March 31.
A rebate of $5.00 is allowed if the entire fee is paid October 1.

Special Course Fees.

Special students, for each hour of class work, a semester..... 8.00
Candidates for the degree of Juris Doctor, for each hour of class work, a semester..... 3.00
Library fee for the same students, a year..... 1.00
Course in Patent Law..... 25.00
General Review Course, for members or graduates of the School.. 15.00
For others..... 20.00
Diploma Fee, for the degree of Bachelor of Laws,..... 10.00
For the degree of Juris Doctor..... 20.00

For further information relating to the Law School, address the Secretary of the Law School, Northwestern University Building, Lake and Dearborn Streets, Chicago, Illinois.

The College of Engineering

Several years ago, in response to an insistent demand, Northwestern University introduced in the College of Liberal Arts courses in engineering subjects. These courses have together been equivalent to two years of technical work. The graduate of the College who completed them has been prepared to earn the degree of an engineering school in two years.

A gift for the erection of an engineering building at Evanston and for its endowment led the Trustees of the University to take action in June, 1907, resulting in the establishment of a College of Engineering. This gift came from Mrs. Gustavus F. Swift and her son, Mr. Edward F. Swift. The building was completed in the winter of 1908-1909.

Recitations are given in the other buildings also on the campus. These include Fayerweather Hall of Science, University Hall, Fisk Hall, Old College, and the Orrington Lunt Library. A description of these buildings, the gymnasium, the dormitories, Music Hall, Annie May Swift Hall of Oratory, and Dearborn Observatory, in all of which the College of Engineering shares, are given on pages 44 to 48.

Northwestern University was built up on the model of the eastern college and it has maintained this character throughout its history. It has broadened its courses, and has liberalized its rules, but it continues to cultivate the humanities with jealous care. In keeping with these ideals, the course in Engineering introduces an unusual number of those non-technical studies that serve to develop general education and to cultivate the thinking power of the student. Unusual stress is laid upon mathematics, physics, and other sciences fundamental to engineering; to shop work and to practical work is given as much attention as is consistent with the purpose of this School. This plan has been adopted because there appears to be increasing need for instruction of this character. On the other hand, there are already many well equipped schools of engineering giving primary attention to practical training as opposed to this more general training; there is little need for a new school of the old kind. It is the belief of the University that a school of the kind proposed will result in the preparation of engineers of the highest type.

Abram Winegardner Harris, Sc.D., LL.D.
President

John Fillmore Hayford, C.E.
Director

Olin Hanson Basquin, Ph.D.
Professor of Applied Mechanics

William Charles Bauer, B.S.
Professor of Electrical Engineering

James Taft Hatfield, Ph.D.
Professor of German Language and Literature

Henry Crew, Ph.D.
Professor of Physics

J. Scott Clark, A.M., Litt.D.
Professor of English Language

Ulysses Sherman Grant, Ph.D.
Professor of Geology

Arthur Charles Lewis Brown, Ph.D.
Professor of English Literature

Willard Eugene Hotchkiss, Ph.D.
Professor of Economics

David Raymond Curtiss, Ph.D.
Professor of Mathematics

Robert Richardson Tatnall, Ph. D.
Associate Professor of Physics

Leland Wesley Irish, B.E.
Assistant Professor of Civil Engineering

Walter Lichtenstein, Ph.D.
Registrar

Admission and Instruction

The requirements for admission to the College of Engineering are identical with those of the College of Liberal Arts, published on pages 68 to 74 Particular attention should be paid in preparation to mathematics and English composition. The requirements for graduation in the College of Engineering are more easily met if the student presents for admission two units of French and two units of German as his requirements in foreign

language. Admission to the College of Engineering may be by certificate or by examination. Graduates of high schools of approved standing should obtain certificates of work done showing the ground covered and the grade received in each study. These certificates should be sent to the Registrar at least one week before the opening of the fall semester. Certificate blanks may be had on request. Candidates who cannot present satisfactory certificates may be admitted on examination. Examinations for this purpose will be held at Evanston on September 19 and 20, 1910. College entrance examinations are given in the spring by the College Entrance Examination Board at various places in the United States, and their findings will also satisfy the entrance requirements.

ADVANCED STANDING

Students from other colleges will be given credit for work done, as may be determined by the Faculty.

Schedule of Study

The course of study is shown in the following schedule. The first four years are offered in the scholastic year 1909-1910.

FIRST YEAR

English Language A—This course gives a practical drill in the elements of good composition, and many essays are required throughout the year. Three hours.

French A or German A—Adequate preparation for this course requires two entrance units of the same language. Three hours.

Chemistry A—An elementary course in general Chemistry consisting of recitations and laboratory work. Four hours.

Mathematics A3—First semester—Algebra and plane trigonometry. Second semester—Analytical geometry, plane and solid. Five hours.

Mechanical Drawing and Shop Work—One three-hour period each week is spent upon each of these subjects. Two hours.

Summer Work—Each student is expected to secure some continuous employment, during at least six weeks of the long vacation, in approved work in drawing room, shop, or testing laboratory.

SECOND YEAR

German A or French A—Adequate preparation for this course requires two entrance units of the same language. Three hours.

Physics A—A course in general Physics, consisting of experimental lectures, recitations, and laboratory work. Four hours.

Mathematics B1—A course in Differential and Integral Calculus. Three hours.

Surveying—A course in the general theory of Surveying and surveying instruments, together with as much Astronomy as is needed for that work. Three hours.

Descriptive Geometry, Kinematics, Machine Design, and Graphical Statics—This work consists of lectures, recitations, and drawing, taking up three afternoons a week. Three hours.

Shop Work—One afternoon. One hour.

Summer Work—Six weeks surveying practice in field work and office work under the direction of the instructor.

THIRD YEAR

Chemistry B—Lectures, recitations, and laboratory work. First semester—Qualitative Analysis. Second semester—Organic Chemistry. Four hours.

Geology A 1—A course in general Geology and in the Physiography of the lands. Four hours.

Mathematics C 1—A course in Advanced Calculus and Differential Equations. Three hours.

Physics B—Principles of Mechanics; recitations and laboratory work; a large number of problems in which the student is expected to become proficient. Three hours.

Physics C—A course in electricity and magnetism, consisting of recitations and laboratory work. This course serves as a natural introduction to all advanced work in Electrical Engineering. Three hours.

Approved Summer Work.

FOURTH YEAR, CIVIL ENGINEERING

Economics A—The elements of Economics. Three hours.

English Literature A—A general view of English Literature. Two hours.

*Structural Mechanics H*2—Three hours.

*Thermodynamics and Heat Engines J*1—Three hours.

Contracts—One hour.

Iron and Steel—One hour.

Elective in Geology—Three hours.

Journal Meetings—One hour.

Approved Summer Work.

The details of the fifth year of the Civil Engineering course have not yet been arranged. It is expected that the fifth year will include Structures, Railway Engineering, Hydraulic Engineering, Bridges, The Public Relations of Engineers.

FOURTH YEAR, MECHANICAL AND ELECTRICAL ENGINEERING

Economics A—The elements of Economics. Three hours.

English Literature A—A general view of English Literature. Two hours.

Structural Mechanics H2—Three hours. Direct Current Engineering Three hours.

Contracts—One hour.

Iron and Steel—One hour.

Elective—Three hours.

Journal Meetings—One hour.

Approved Summer Work.

The details of the fifth year of the Mechanical and Electrical Engineering course have not yet been arranged. It is expected that the fifth year will include Thermodynamics, Heat Engines, Hydraulic Engineering, Alternating Current Engineering, The Public Relations of Engineers.

LECTURES

Special lectures upon subjects of interest to engineers and engineering students are provided throughout the year.

General Statements

REGISTRATION

For general regulations and for regulations affecting registration, see page 132. The schedule of study in the College of Engineering requires registration of seventeen hours a week, during five years, and approved summer work for six weeks in each of four summers.

DEGREES

The work of the first four years shown in the schedule of the College of Engineering includes the requirements for the degree of Bachelor of Science which is given upon the satisfactory completion of the fourth year. Upon the satisfactory completion of the entire Engineering schedule a bachelor's degree in Engineering will be conferred. The conditions upon which professional degrees in Engineering are to be awarded will be announced later.

SCHOLARSHIPS AND FELLOWSHIPS

For information in regard to scholarships and fellowships see page 127.

ATHLETICS

Students in the College of Engineering will share with those of the College of Liberal Arts in all athletic privileges.

ROOM AND BOARD

Students of the University find suitable rooms for residence in private homes near the University campus. Board may be obtained in private families, in student clubs, and at restaurants. A considerable proportion of the students are members of fraternities, each chapter of which rents or owns a house for its exclusive use.

SELF SUPPORT

Evanston offers many opportunities for young men to obtain employment of various kinds. Persons desiring such employment will do well to communicate with the Secretary of the College Young Men's Christian Association.

FEES AND EXPENSES

Matriculation Fee, paid on first registration	$ 5.00
Tuition Fee, a year	100.00
Payable one-half at the beginning of the first semester, one half at the beginning of the second semester.	
Laboratory Fees	
Courses A1, A2, E1, and J1, each course, a semester	3.00
Courses B1 and B2, each, a semester	4.00
Courses C1 and H2, each, a semester	5.00
Fees for summer instruction and the use of surveying instruments	30.00
Diploma Fee	10.00

Inquiries for further information in regard to the College of Engineering may be addressed to the Director of College of Engineering, Northwestern University, Evanston, Illinois.

The School of Pharmacy

THIS school, incorporated in 1886 as the Illinois College of Pharmacy, became a department of the University the same year. In 1891 the name was changed to the School of Pharmacy of Northwestern University. It is a member of the American Conference of Pharmaceutical Faculties and its graduates are recognized in all states in which graduation from a school of pharmacy is necessary to obtain license to practice.

The School's work is carried on in the University Building, Lake and Dearborn Streets, Chicago. The rooms occupied include six large laboratories, two lecture rooms, two balance rooms, library, museum, and three rooms for students, all newly furnished. The laboratories are: the laboratory for inorganic chemistry, with accommodations for three classes of seventy students each; the laboratory for botany, microscopy, and pharmacognosy, with accommodations for six sections of forty-eight students each; the manufacturing laboratory, with accommodations for four sections of seventy students each; the laboratory for organic chemistry, with accommodations for four sections of twenty-eight students each; and the dispensing laboratory, with accommodations for six sections of thirty-six students each. Courses in bacteriology are given in the bacteriological laboratory on the fifth floor.

All the courses of instruction in the School are given exclusively to students of pharmacy and are adapted to their special needs. Especial attention is given to laboratory practice in the manufacture, testing, and valuation of preparations and in the work of dispensing.

Applications made to this school for alumni to fill desirable positions have, for many years, exceeded the supply. Undergraduate students are also in demand, being wanted for part-time service in Chicago drug stores while pursuing their courses of study.

The occupations open to graduates of efficient pharmaceutical schools include not only the customary practice of modern technical pharmacy, but similar employment in the service of the national, state, and municipal governments, in connection with food, drugs, and sanitation.

The course for the degree of Pharmaceutical Chemist comprises preparation of the most thorough kind, both for the practice of pharmacy and for the expert services required of inspectors of food and drugs under the laws, and for similar service in manufacturing and wholesale establishments.

Abram Winegardner Harris, Sc.D., LL.D.
President

Oscar Oldberg, Pharm.D.
Dean, Professor of Pharmacy

Thomas Victor Wooten, Ph.G.
Administrative Officer, Lecturer on Pharmaceutical Economics

William Edward Quine, M.D., LL.D.
Emeritus Professor of Physiology, Therapeutics and Toxicology

Harry Mann Gordin, Ph.D.
Professor of Chemistry and Director of the Chemical Laboratories

Maurice Ashbel Miner, Pharm.M.
Assistant Professor of Pharmacy, Curator

Charles Waggener Patterson, Sc.B., Ph.C.
Assistant Professor of Organic Analytical Pharmaceutical Chemistry

Harry Kahn, Pharm.M., M.D.
Assistant Professor of Physiology and Materia Medica

Eugene Shaw Willard, D.D.S.
Assistant Professor of Bacteriology

Gerhard H. Jensen, Ph.D.
Assistant Professor of Botany and Pharmacognosy

William Henry Harrison, Ph.C.
Instructor in the Chemical Laboratories

George Daniel Oglesby, Ph.C.
Lecturer in Pharmacy

John Ferdinand Fischnar, Ph.C.
Instructor in the Dispensing Laboratory

Ernest Woollett
nstructor in Accounting and Business Methods

James Lewis Clay, Ph.C.
Assistant in the Chemical Laboratories

Louis Richard Wernecke, Ph.C.
Assistant in the Manufacturing Laboratory

Admission and Instruction

Candidates for the degree of Graduate in Pharmacy must present evidence of having satisfactorily completed one full year of work in a properly accredited high school, or its equivalent, and must be at least seventeen years of age..

Candidates for the degree of Pharmaceutical Chemist must have completed two years work in a high school of accepted grade or must possess an equivalent general education.

Candidates for the degree of Master of Pharmacy must fulfill the requirements for admission to the College of Liberal Arts. See Requirements for Degrees.

Special students not candidates for graduation may be admitted by action of the Faculty.

CREDITS FOR WORK DONE IN OTHER SCHOOLS

Students who have satisfactorily completed the first year's work in any other approved college or school of pharmacy, upon presentation of proper evidence thereof, are admitted to the second year class, provided the work done in each subject is fully equivalent to that of the first year's program of this School and provided that their work conforms to the rule that related subjects must be studied in logical sequence.

Credit is given, subject to the same conditions, for any courses in individual subjects satisfactorily completed elsewhere, so far as these subjects are included in the required studies of this School.

Courses of Study

For the Degree of Graduate in Pharmacy

First Year

PHARMACY—PROFESSOR OLDBERG, ASSISTANT PROFESSOR MINER, MR. OGLESBY, AND MR. FISCHNAR.

Definition of Pharmacy—Its functions and problems.

The Pharmacopoeia—Its scope, objects and construction. Pharmacopoeial nomenclature.

Preparatory study of the various classes of *Materials* employed in the preparation of medicines.

General Pharmaceutical Processes and Manipulations.

General Study of the Various Classes of Pharmaceutical Preparations.

Weights and Measures, and Pharmaceutical Arithmetic.

Laboratory Practice—Work designed to familiarize the student with apparatus, processes and materials, and to apply the lessons taught in the didactic courses. This course includes the manufacture of a great variety of finished products.

CHEMISTRY—PROFESSOR GORDIN, ASSISTANT PROFESSOR PATTERSON, AN MR. HARRISON.

Lecture Courses in *General and Inorganic Chemistry*, theoretical an descriptive.

Laboratory Work in elementary chemistry and in Qualitative and Quan titative Analysis.

PHARMACEUTICAL BOTANY AND MICROSCOPY—DR. JENSEN

The organs, tissues, and microscopical structure of plants and plan drugs.

HUMAN ANATOMY AND PHYSIOLOGY—ASSISTANT PROFESSOR KAHN

A necessary introduction to the study of the action and uses of medicin

Second Year

PHARMACY—PROFESSOR OLDBERG, ASSISTANT PROFESSOR MINER, MR. HA RISON, MR. OGLESBY, AND MR. FISCHNAR

Applied Inorganic Pharmaceutical Chemistry—The chemical prepar tions, their production and pharmacy.

Pharmaceutical Chemical Problems—Exercises in writing chemical equ tions, making stoechiometric calculations, etc.

The Special Pharmacy of Important Vegetable Drugs and their Prepa ations.

Extempore Operative Pharmacy—The prescription and its constructio and interpretation. The dispensing department and its problems. Incon patibilities.

Duties and responsibilities of pharmacists and their agents.

The practical details of daily work of a properly equipped and well co ducted retail drug store. Miscellaneous medicinal and pharmaceutic preparations and sick room supplies furnished by pharmacists.

Senior Laboratory Course—Practice in the manufacture of chemical an pharmaceutical preparations and in the extraction and purification of im portant natural constituents of plant drugs.

The Art of Dispensing—A practical laboratory course accompanying th lectures and recitations.

Pharmaceutical Economics—A course established to provide a knowled of the business side of pharmacy for those students who have had no dru store experience and for those whose general training has been inadequat

Business Training—A course designed to teach the student book-kee ing and other essential business methods employed in the retail drug stor

CHEMISTRY—PROFESSOR GORDIN, AND ASSISTANT PROFESSOR PATTERSON

Lecture Course in Organic Chemistry—The principles of the chemistry of the combustible carbon compounds.

Laboratory Course in Drug Assaying and Organic Pharmaceutical Testing.

PHARMACOGNOSY—DR. JENSEN

About two hundred of the most important drugs are thoroughly studied.

MATERIA MEDICA—ASSISTANT PROFESSOR KAHN

The properties, action, uses, and doses of drugs and medicines including therapeutics and toxicology.

The course in Urine Analysis is also offered to students Registered for the degree of Graduate in Pharmacy and may be taken by them in their second year.

For the Degree of Pharmaceutical Chemist

All the courses required for the degree of Graduate in Pharmacy constitute a part of the curriculum required for the degree of Pharmaceutical Chemist. The following courses are required in addition:

First Year

PHARMACY—PROFESSOR OLDBERG, AND MR. OGLESBY

The general lessons taught by a comparison of the principal pharmacopoeias of other countries with the pharmacopoeia of the United States.

CHEMISTRY—PROFESSOR GORDIN, AND MR. HARRISON

Gravimetric Analysis—Fundamental operations characteristic of the general method and special processes employed in the actual gravimetric determination of inorganic substances.

The course in drug assaying and pharmaceutical testing, as described among the second year courses in chemistry for the degree of Graduate in Pharmacy, is taken by the candidates for the degree of Pharmaceutical Chemist in the latter part of the first year.

Second Year

CHEMISTRY—PROFESSOR GORDIN, AND ASSISTANT PROFESSORS MINER AND PATTERSON

Special Lectures upon important Chemical Constituents of plant drugs such as alkaloids, glucosides, etc., and upon certain important features of

chemical physics including the use of the polariscope and other instruments in chemical work.

Organic Chemical Preparations—A laboratory course.
Urine Analysis, Qualitative and Quantitative.
Advanced Course in Drug Assaying and Pharmaceutical Testing.
Food and Sanitary Analysis.

FOOD AND DRUGS COURSE

The curriculum prescribed for the degree of Pharmaceutical Chemist affording as it does special training for the expert work required by food and drugs legislation, is modified to some extent at the option of students who desire to specialize more in the direction of the examination of food and drugs and who do not intend to practice pharmacy.

SPECIAL COURSES

Special students are admitted, by special action of the Faculty, to any of the individual courses included in the program of work required for a degree, to advanced courses, and to any additional special courses which the School is prepared to offer. The fees for such elective courses are in proportion to their extent, and full credit is given in the form of certificates for work satisfactorily completed.

Degrees

The requirements for graduation include regular attendance, for at least one year in this School, the satisfactory completion of the prescribed program of work, good moral character and satisfactory department, and the settlement of all accounts.

Degrees are conferred at the Graduating Exercises held at the conclusion of the Graduate in Pharmacy course in April and at the general University Commencement in June. On these occasions all candidates for degrees are required to be present in person, the Oxford cap and gown being worn as the official dress.

The degrees conferred are those of Graduate in Pharmacy, Pharmaceutical Chemist, Bachelor of Science in Pharmacy, and Master of Pharmacy.

DEGREE OF GRADUATE IN PHARMACY

The course for this degree occupies two school years of six months each, during which the student devotes his whole time to his studies and laboratory work.

The same course occupies two years of nine months each when the student engages in concurrent drug-store employment and when he, accordingly,

carries only two-thirds of the weekly program of studies pursued by students who give their whole time to school work.

DEGREE OF BACHELOR OF SCIENCE IN PHARMACY

This degree requires four years, two years of study in the College of Liberal Arts and two years in the School of Pharmacy.

DEGREE OF MASTER OF PHARMACY

This degree is conferred upon completion of three years of study in the College of Liberal Arts and two years in the School of Pharmacy.

DEGREE OF PHARMACEUTICAL CHEMIST

This course extends through two years of nine months each, with the student's whole time occupied with his studies and laboratory work. The three years' course for the same degree occupies the student's whole time through three school years of six months each. The program of work is the same as in the two years' course.

POST GRADUATE COURSE

A post-graduate course is offered to Graduates in Pharmacy of other schools who have had sufficient preparation to undertake the completion of the prescribed curriculum for the degree of Pharmaceutical Chemist in one additional year. In this course the program of work is modified in each case so as to enable the student to take all the work which he has not already had.

General Statements

THE LIBRARY

The School possesses a valuable pharmaceutical reference library. It now contains 2950 bound volumes and pamphlets. All the principal current chemical and pharmaceutical journals, foreign and American, are received, and are accessible alike to instructors and students.

The library includes complete sets of Archiv der Pharmazie; the Centralblatt from 1870 and the Berichte der Deutsch Chemischen Gesellschaft from 1868; also, complete from 1893, Zeitschrift für analytische Chemie, Neueste Erfindungen und Erfahrungen, Berichte der Pharmazeutischen Gesellschaft, Journal of the London Chemical Society, Pharmazeutische Centralhalle, and Repertoire de Pharmacie; complete sets of the British Pharmaceutical Journal, Proceedings of the American Pharmaceutical Association, and the American Journal of Pharmacy.

The library contains also all the pharmacopœias of the world with supplements to date, dispensatories and commentaries on the pharmacopœias,

pharmaceutical and chemical encyclopoedias and dictionaries, pharmaceutical and other technical formularies, the most valuable reference works and textbooks on chemistry, pharmacy, materia medica, and related subjects, and the publications of the American Chemical Society.

THE MUSEUM AND EXHIBITS

The museum contains more than two thousand specimens of drugs, chemicals, pharmaceutical preparations, and other substances of medicinal or industrial importance, pharmaceutical and chemical apparatus and implements, and other articles of interest to students.

Authentic specimens of distinct varieties of plant drugs, many of great value or of special interest, are contained in these collections, including not only exceptionally fine drugs, but also spurious ones. All plant drugs used to a sufficient extent to be found in the drug markets are represented by good specimens in the museum.

The exhibits of chemical products, inorganic and organic, are exceptionally large, and the exhibits of pharmaceutical products and sick-room supplies are instructive.

Specimens of numerous kinds of chemicals and preparations manufactured by the students attest the practical character of the laboratory training given in the School.

FEES AND EXPENSES

Matriculation Fee, paid on first admission to the School, not retnrnable	$ 5.00
Tuition Fees, payable half yearly in advance	
For the course leading to the degree of Graduate in Pharmacy, a year	100.00
For the course leading to the degree of Pharmaceutical Chemist, a year	140.00
Breakage Deposit, covering wear and tear of equipment, estimated at $3.00 a year, and the breakage of apparatus, the balance being refunded at the end of the year	10.00
Graduation Fee	10.00

BOARD AND ROOMS

Within walking distance of the School is a quiet residence portion of the city near Lake Michigan. In this section room and board together may be obtained at from $4.50 to $6.00 per week. A less expensive way to live, however, is for two or several students to rent rooms together, either single rooms or ensuite, and secure their meals in one of the many excellent restaurants with which the city abounds.

Complete information regarding all of these matters may be obtained of the Y. M. C. A. secretary in the rotunda of Northwestern University building.

To assist worthy students who are compelled to earn their way while pursuing their studies the School has established an employment department. Familiarity with the business conditions in Chicago and large acquaintanceship with the druggists of the city afford unusual opportunities for placing young men in good drug stores at satisfactory remuneration. The Faculty does not recommend this double work, but if it is unavoidable, the School will gladly do all in its power to place students in satisfactory positions.

Some students find employment afternoons, evenings and at other times in miscellaneous kinds of work; through coöperation with the Young Men's Christian Association, a branch of which is a part of the equipment of the professional schools in Northwestern University Building, such places may be secured, the central location of the School making this plan easy of execution.

For further information regarding any feature of the School's work address Thomas V. Wooten, Administrative Officer, Room 414, Northwestern University Building, Lake and Dearborn Streets, Chicago, Illinois.

The Dental School

THE DENTAL SCHOOL was founded and is maintained for the purpose of preparing young men and women in the most thorough manner for the practice of dentistry, and for the promotion of dental science and dental literature. No expense has been spared in its equipment and in the employment of an adequate faculty of skilled teachers, and a large force of demonstrators and assistants.

The Dental School was organized in 1887 and three years later became a department of the University. In 1886 it absorbed the American College of Dental Surgery and for some years occupied the building on Franklin and Madison Streets, Chicago, formerly occupied by that school. It is now located in Northwestern University Building, at the corner of Lake and Dearborn Streets, Chicago.

It occupies the upper three floors of the building and has over 60,000 square feet of floor space, supplied with modern equipment.

The Clinic Room is sufficient in extent to accommodate the great clinic and the offices connected with it, is of the best design of construction, consisting of a single room with arched ceiling. It is on the sixth floor, with free light on two sides and abundant skylight. It may be reached by elevators from the principal entrance on Lake Street, and from a smaller entrance on Dearborn Street. Adjoining the Operative Clinic is the Prosthetic Clinic, and on the same floor is the senior Prosthetic laboratory for crown and bridge work; the recently added laboratory for porcelain and cast metal inlay work; an impression room; two rooms and waiting room for extracting. The system of lecture rooms, three in number, is arranged on the amphitheater plan. Each accommodates 225 students. Two are for the ordinary class lecture work, and one for the Oral Surgery clinic. This latter has a waiting-room for surgical patients, a room for diagnosis and the preparation of patients, and a recovery room with sufficient beds for the temporary care of patients. Other rooms are the Anatomical laboratory, which is placed well apart, the first year and the second year Prosthetic laboratories, the Operative Technic laboratory, the first year and the second year Chemical laboratories, the laboratory for Histology and Bacteriology, the photographic laboratory, the museum, the reading room and library.

The location of the school is especially advantageous in obtaining the great number of clinical patients needful in a dental school.

Abram Winegardner Harris, Sc.D., LL.D.
President

Greene Vardiman Black, M.D., D.D.S., Sc.D., LL.D.
Professor of Operative Dentistry, Pathology, and Bacteriology, Dean

Charles Rudolph Edward Koch, D.D.S.
Lecture on Dental Economics; Secretary

Thomas Lewis Gilmer, M.D., D.D.S.
Professor of Oral Surgery

Elgin MaWhinney, D.D.S.
Professor of Special Pathology, Materia Medica, and Therapeutics

Edmund Noyes, D.D.S.
Professor of Dental Jurisprudence and Ethics

James Harrison Prothero, D.D.S.
Professor of Prosthetic Technics, Prosthetic Dentistry, and Metallography

Frederick Bogue Noyes, A.B., D.D.S.
Professor of Histology

Twing Brooks Wiggin, M.D.
Professor of Physiology and Pathology

George Amos Dorsey, Ph.D.
Professor of Comparative Anatomy

Charles Louis Mix, A.M., M.D.
Professor of Anatomy

Ira Benson Sellery, D.D.S.
Professor of Orthodontia

Harry Mann Gordin, Ph.D.
Professor of Chemistry

Arthur Davenport Black, B.S., M.D., D.D.S.
Assistant Professor of Operative Dentistry, and Assistant in Oral Surgery

Eugene Shaw Willard, D.D.S.
Assistant Professor of Operative Dentistry and Bacteriology

Fred William Gethro, D.D.S.
Assistant Professor of Operative Dentistry and Dental Anatomy

Harry Issaac Van Tuyl, B.S., M.D., D.D.S.
Assistant Professor of Anatomy

Herbert Anthony Potts, M.D., D.D.S.
Lecturer on Anaesthesia, and Assistant in Oral Surgery

James William Birkland, D.D.S.
Clinical Instructor in Operative Dentistry

George Buchanan Macfarlane, D.D.S.
Clinical Instructor in Operative Dentistry

Huston French Methven, D.D.S.
Instructor in Prosthetic Dentistry

George C. Poundstone, D.D.S.
Assistant in Materia Medica and Therapeutics

Benjamin Waldberg, D.D.S.
Superintendent of Prosthetic Laboratory

Daniel Johnson Glomset, B.S.
Assistant in Histology

Hillis Talley Brown, D.D.S.
Demonstrator in Anatomy

Michael Joseph Buckley, D.D.S.
Special Demonstrator in Orthodontia and Operative Dentistry

Chauncy W. Courtright, M.D.
Demonstrator in Anatomy

Frank George Desmond, D.D.S.
Demonstrator in Operative Dentistry.

Morris Grossman, D.D.S.
Demonstrator in Dental Anatomy and Operative Technics

Frank Burton Hudson, B.S.
Assistant in Chemistry

Theodore Stephen Kral, D.D.S.
Demonstrator in Operative Dentistry

Ellery Ashley McDonald, D.D.S.
Demonstrator in Prosthetic Dentistry

George Robert Puffer, D.D.S.
Demonstrator in Operative Dentistry

William Edward Snow, D.D.S.
Demonstrator in Charge of the Examining Room

Clayton Frank Bloomfield Stowell, D.D.S.
Demonstrator in Extracting

Roscoe Leaton Stout, D.D.S.
Demonstrator in Operative Dentistry

Admission and Instruction

A candidate for admission to the Dental School may be accepted upon presentation of a diploma or equivalent certificate from an accredited high school or kindred educational institution, or upon passing a satisfactory examination. The diploma must be signed by a superintendent of schools, the principal of a high school, or other responsible school officer. A certificate showing that a candidate has been graduated from an accredited high school, or from a school giving an equivalent course, signed by a city or county superintendent of schools, or by a state superintendent of public instruction, will be accepted as the equivalent of a diploma. A candidate who does not present a diploma or certificate must take an examination before a state superintendent of public instruction, or his deputy, and bring a report showing that the candidate has a preliminary education equivalent to that to be obtained in an accredited high school.

Persons not having these credentials will be admitted upon examination and approval of the State Superintendent of Public Instruction or his deputy.

This School will receive no student who is not present within ten days after the opening day of the session in each year, or in case of necessary delay, by reason of illness properly certified by the attending physician, within twenty days after the opening day.

Students registering agree thereby to accept the discipline imposed by the Faculty.

It is desirable that students should register early, since the order of assignment of seats in the lecture halls is based upon the order of registration.

ADMISSION TO ADVANCED STANDING

Students from high schools and colleges, wishing credit for courses parallel to courses required in this School, should bring credentials showing the time spent on these subjects and should present their note books written in these courses.

Students who present certificates from other recognized dental schools covering subjects required in this School will be credited with such studies if the credentials are satisfactory to the Dean and to the professors in the respective departments, but when admitted to the third year the candidate must do one full year's work in this School. Graduates in medicine are credited with one year of time.

Course for the Degree of Doctor of Dental Surgery

The course covers three years. The year begins on the first Tuesday in October and closes on Commencement Day of the University in June. There are thirty-two weeks of actual instruction given, six days in each week.

Students for the regular course are received only during the first ten days of the first semester. Students desiring to pursue special studies may be received at any time.

For regular students who desire to extend their studies to four or more years, a special arrangement of studies will be provided.

A post graduate, or practitioner's course has been specially arranged which begins the day after Commencement in each year, and continues during four weeks thereafter.

METHODS OF INSTRUCTION

The studies of the course are grouped by departments, the work of each department proceeding from the more general and fundamental subjects to the more specialized and advanced.

The work in the departments is planned with reference to that of other departments, and the greatest care is taken that the whole shall be so correlated that the student in taking up a new subject will find himself prepared by work done in other departments.

Departments of Instruction

SCHEDULE OF COURSES

Students are expected to take the courses in the order enumerated, but some deviation from this rule may be allowed in cases approved by the Faculty.

Each of the departments is presented under the headings as given in the table below, separately and completely, and in alphabetical order, and courses are described fully in the order of the letters.

FIRST YEAR WORK

Anatomy a, b, c, d.
Chemistry a, b, c, d.
Histology a, b, c.
Operative Technics c, d, e, f, g, h.
Dental Anatomy a, b.
Physiology a, b, c, d.
Prosthetic Technics a, b, c, d, e.

SECOND YEAR WORK

Anatomy e, f. g.
Chemistry e, f, g, h.
Comparative Anatomy a.*
Histology d, e, f, g.
Materia Medica and Therapeutics a, b, c.
Operative Technics i, j.
General Pathology a, b.
Physiology e, f.
Prosthetic Technics f, g, h, i.

THIRD YEAR WORK

Ethics, Jurisprudence, and Dental Economics a, b.
Operative Dentistry k, l, m, n, o, p.
Bacteriology q, r.
Oral Surgery a, b, c, d, e, f.
Anaesthesia g, h, i.
Orthodontia a, b, c.
Pathology and Therapeutics a, b, c, d, e.
Prosthetic Technics j, k, l.

*Omitted for 1909-1910 and transferred to the third year in 1910-1911.

Anatomy

PROFESSOR MIX, PROFESSOR VAN TUYL, DR. BROWN, AND ASSISTANTS

The equipment of the department of anatomy is new and complete. The large Anatomical Laboratory, on the top floor of the building, is well lighted on the east and south by numerous windows, and in the center of the room by a large skylight. The ventilation is perfect. The equipment includes thirty-six dissecting tables of the latest pattern, of metal with plate-glass tops. The floor is water-proof and has such drainage that it can be flooded with hose and kept thoroughly clean. Skeletons are provided for the use of the students. On payment of a small deposit bones may be taken for home study.

FIRST YEAR

a. *Visceral Anatomy, Introductory Course*—First third of first semester. Two lectures and demonstrations a week. Professor Mix.

b. *Human Dissections*—One three-hour period a week. Professor Mix, Professor Van Tuyl, Dr. Brown, Dr. Courtright, and assistants.

c. *Anatomy of the Extremities*—Two lectures a week. Professor Mix.

d. *Recitations on Lectures and Dissections*—Two hours a week. Professor Van Tuyl and assistants.

SECOND YEAR

e. *The Head and Neck*—Two lectures a week. Professor Mix.

f. *Human Dissections*—Two three-hour periods a week. Professor Mix, Professor Van Tuyl, Dr. Brown, Dr. Courtright and assistants.

g. *Recitations on Dissections*—Two hours a week. Professor Van Tuyl.

Chemistry

PROFESSOR GORDIN, MR. HUDSON, AND ASSISTANTS

The Chemical Laboratories, exclusively for dental students, are large, well ventilated, and complete in every respect. One laboratory is devoted to General Chemistry and Qualitative Analysis, another is arranged with special reference to the experimental teaching of Metallurgy and to other practical applications of chemistry of interest to dental students. In addition to the main laboratories, there are large dispensing rooms, a balance room well equipped with balances and apparatus for testing the physical properties of metals, amalgams, etc., and a room covered with a hood for carrying off fumes, and equipped for alloying, assaying, and refining.

FIRST YEAR

a. *General and Inorganic Chemistry*—Lectures and recitations. First semester. Two hours a week. Professor Gordin.

b. *Chemical Laboratory*—Illustrative experiments in General and Inorganic Chemistry. First semester. Six hours a week. Professor Gordin, Mr. Hudson, and assistants.

c. *General and Inorganic Chemistry*—Lectures and recitations. Second semester. Two hours a week. Professor Gordin.

d. *Laboratory*—The metals and their compounds. Qualitative chemical analysis of unknown mixtures, particularly bases and alloys. Second semester. Six hours a week. Professor Gordin, Mr. Hudson, and assistants.

SECOND YEAR

e. *Organic Chemistry*—Lectures and quizzes. Two hours a week. Professor Gordin.

f. *Laboratory*—Quantitative chemical analysis of dental alloys, etc. Refining of gold, silver, and other metals. Laboratory study of cements and other filling materials. Assay of dental alloys for gold, silver, tin, platinum. Practical problems of dental chemistry. First semester. Three hours a week. Professor Gordin, Mr. Hudson, and assistants.

g. *Laboratory*—Illustrative experiments in Organic Chemistry. Analysis of saliva. Urine analysis. Second semester. Three hours a week. Professor Gordin, Mr. Hudson, and assistants.

Comparative Dental Anatomy*

PROFESSOR DORSEY

It is the design of the department to give in a concise form a view of the animal kingdom and its classifications, especially of the vertebrates, the forms of teeth in relation to food habits, and as weapons of offense and defense; a study of the extinct species of animals of the several classes, variations in tooth forms, illustrating development through the geological ages; the history of the changes from the simple forms to the complex forms now existing. The Museum of the Dental School is especially rich in skulls of the several orders of the animal kingdom, and furnishes illustrations for the study of all of the known tooth forms. The great collection of the Field Columbian Museum is available for illustration and study.

SECOND YEAR

a. *Evolution*—The meaning of similarity of structure; natural selection; changes in organs; correlation of growth between parts; principles of heredity and of fixity of species; tooth forms; definitions and descriptions of the varieties of forms; the typical mammalian dentition; classification of the animal kingdom, with concise descriptions of the typical characteristics of each. First semester. Two lectures a week. Professor Dorsey.

*Omitted for 1909-1910 and transferred to the third year in 1910-1911

Professional Ethics, Dental Jurisprudence, and Economics

PROFESSOR EDMUND NOYES AND DR. KOCH

This work consists of a brief statement of the important principles of morals; an exposition of the special duties and moral obligations of professional men to their patients, their fellow practitioners, and the public, the more important contrasts between the proper ethical standard of the professions and those of business or manufacturing pursuits.

The lectures on Jurisprudence follow, in the main, the text-book by Dr. Rehfuss, and include qualification and duty of expert witnesses, the importance of dental records, the limitations of dental practice, the qualifications required and the liabilities incurred, the penalties that may be suffered, and the defense to be made in case of alleged malpractice; the laws respecting the practice of dentistry, the steps necessary to become legal practitioners, and the duties and liabilities of dentists with reference to the law.

Third Year

a. *Ethics*—Elementary principles of ethics; professional ethics; state laws relating to dentistry; Illinois dental law; dental jurisprudence; general review. First semester. One lecture a week. Professor Edmund Noyes.

b. *Dental Economics*—This course was established to equip the increasing number of students without previous preceptorship in a dental office with a knowledge of the business side of dental practice. The work embraces practice building, methods of obtaining and retaining patients, business relations between the dentist and his patients, fees, accounts, records of operations, presentation and collection of accounts, methods of economy in the conduct of an office. Second semester. One lecture a week. Dr. Koch.

Histology

PROFESSOR FREDERICK B. NOYES, MR. GLOMSET, AND ASSISTANTS

The department is provided with a large laboratory, fitted with seventy-one hardwood desks, each furnished with reagents, lockers, a compound microscope with lenses and condensers, electric lights, and other conveniences or preparation of specimens and microscopic study. It is provided also with a stereopticon and projecting microscope for demonstration purposes. Adjoining this large laboratory, there are a professor's study, and preparation laboratory with a photographic room fully equipped with all necessary apparatus.

The laboratory classes are usually divided into sections of not more than fifty students. This work has been greatly aided by a large collection of lantern slides from photo-micrographs and framed photographic prints;

and by a large histological museum containing sets of microscopic slides sufficient in number on any given subject for a full section of the class, illustrating not only all the ordinary soft tissues, but also the peridental membranes, dental pulp, periosteum, and ground sections of the teeth. These microscopic slides and sections, together with those stained and mounted by the students, are used by the classes for purposes of study.

First Year

a. *Lecture Course*—The construction and the use of the microscope. A study of cell structure and functions, of the elementary tissues; histology of the organs; circulatory, lymphatic, alimentary tract, and accessory glands, respiratory system, urinary organs, and skin. One lecture a week. Professor Frederick B. Noyes.

b. *Laboratory Course*—A laboratory study of the subjects of the lecture course. One three-hour period a week. Professor Frederick B. Noyes, Mr. Glomset, and assistants.

c. *Quizzes and Recitations*—One hour a week. Mr. Glomset.

Second Year

d. *The Dental Tissues*—Enamel; the peridental membranes; periosteum; bone; mucous membranes and other soft tissues of the mouth. One and two-thirds semesters. One lecture a week. Professor Frederick B. Noyes.

e. *Embryology*—A short course. One lecture a week. One-third of a semester. Professor Frederick B. Noyes.

f. *Laboratory Course*—A laboratory study of the subjects of lecture courses d and e. One three-hour period a week. Professor Frederick B. Noyes, Mr. Glomset, and assistants.

g. *Quizzes and Recitations*—One hour a week. Mr. Glomset.

Materia Medica and Therapeutics

PROFESSOR MAWHINNEY, DR. POUNDSTONE, AND ASSISTANTS

Materia Medica is taught in a series of lectures, quizzes, and recitations, with demonstrations and experimental studies. There is also a laboratory study of the most useful methods of preparing drugs for medicinal purposes, with experimental studies of their therapeutic or toxic action. The course is richly illustrated throughout. Abundant practice is given in prescription writing. The great clinic, to which students have access throughout the year, gives large opportunity to witness the application and therapeutic effects of drugs, and to obtain clinical practice. The instructor is in the clinic one afternoon each week to assist and direct the demonstrating force.

Second Year

a. *The Sources and Various Forms of Drugs*—General and local action of drugs; agencies that modify the action of drugs; the art of

prescribing medicines; a critical study of about one hundred drugs, classified according to their therapeutic and toxic action; a special laboratory study of escharotics, germicides, antiseptics, deodorizers. Systematic medication for dental purposes; dental prophylaxis; the use of germicides, antiseptics, escharotics, and astringents in dentistry. First semester. One lecture a week. Second semester. Two lectures a week. Professor MaWhinney and Dr. Poundstone.

Lectures and Recitations—Dr. Poundstone.

b. *Theses*—Each student is required to write ten theses, of not less than three hundred words each, on subjects assigned.

c. *Clinical Practice*—The Infirmary is open to second year students four hours a day for the observation of conditions requiring the use of drugs and for clinical practice in their treatment. Each student is required to make one hundred points in clinical experience. See also Department of special Pathology and Therapeutics. Professor MaWhinney and assistants.

Operative Dentistry and Bacteriology

PROFESSOR GREENE V. BLACK, PROFESSOR ARTHUR D. BLACK, PROFESSOR WILLARD, PROFESSOR GETHRO, DR. BIRKLAND, DR. MACFARLANE, AND ASSISTANTS

Operative Dentistry in some of its forms is presented to the student from the time he enters the school to his graduation. In the first year he makes a study of the human teeth, or dental anatomy, of the forms and nomenclature of the instruments used in operations on the teeth, of the preparation of cavities for filling, of filling materials and their manipulation.

The second year includes a lecture course with demonstrations on the technical procedures in filling teeth, and the student begins practical operations in the clinic room.

The third year includes a review of the technical procedures in filling operations, followed by a careful study of the pathology of dental caries, and the adaptation of means to its amelioration and cure.

The Clinic Rooms, built especially for the purpose, have abundant room with the best of light. They are well equipped with Columbia operating chairs in ample number for the classes.

The Operative Infirmary Clinic is under the direct supervision of the Professor of Operative Dentistry. The student begins this work with the opening of his second year and continues it to the end of the third year; the time given to it is much greater in the third year than in the second. It is the intention that this infirmary practice shall be as much like an actual dental practice as possible. The development of the ability to obtain and hold a practice, or the professional courtesy of an operator toward his patient essential to personal success, is regarded equal in importance to the development of manipulative ability.

The clinic rooms will be open through the whole year for the benefit of students who may wish to have greater experience in clinical practice under competent supervision. The number of demonstrators during the summer is sufficient for the class that chooses to remain with the school. The clinical material is ample and excellent opportunity is offered for clinical practice.

DENTAL ANATOMY

First Year

a. *Descriptive Anatomy of the Human Teeth*—Nomenclature. First semester. One lecture or recitation a week. Professor Gethro.

b. *Laboratory Course*—Studies of the forms of individual teeth; carving the tooth forms in bone or ivory; dissections and studies of the internal parts—pulp chambers and root canals. First semester. Nine hours a week. Professor Gethro and Dr. Grossman.

OPERATIVE TECHNICS

First Year

c. *Instruments and Instrumentation*—A study of instrument forms, instrument construction, and the adaptation of instruments to the excavation of cavities. First third of second semester. One lecture a week. Professor Gethro.

d. *Laboratory Course*—First third of second semester. Nine hours a week. Professor Gethro and Dr. Grossman.

e. *Cavity Nomenclature*—A study of the location of cavities in extracted teeth, of the forms of prepared cavities, of the naming of internal parts of cavities, and of the use of instruments in their preparation. Second third of second semester. One lecture a week. Professor Gethro.

f. *Laboratory Course*—Second third of second semester. Nine hours a week. Professor Gethro and Dr. Grossman.

g. *Filling Materials and Filling Teeth*—Third third of second semester. One lecture a week.

h. *Laboratory Practice*—Filling materials and filling prepared cavities; extracted teeth, ivory, or bone. Third third of second semester. Nine hours a week. Professor Gethro and Dr. Grossman.

Second Year

i. *Technical Procedures in Filling Teeth*—Cavity nomenclature; cavity preparation; principles, instruments and appliances, and instrumentation; cavity preparation, by classes of cavities; filling materials; instruments and instrumentation, physics of filling operations, and of finishing fillings. Porcelain inlays; preparation of cavities; formation of matrix; making and inserting inlays; gold inlays. Filling with amalgam, cements, gutta-percha.

Exposure and removal of dental pulp. Preparation and filling of root canals. Two lectures and recitations a week. Professor A. D. Black.

j. *Operative Clinic*—Open to second year students four hours a day during the entire season. Operations amounting to one hundred points required in gold, and one hundred points in amalgam. Professor A. D. Black and assistants.

Third Year

k. *Review of Technical Procedures in Filling Teeth*—First half of first semester. Two lectures a week. Professor G. V. Black.

l. *Pathology and Dental Caries*—Bacteriology of human mouth; causative relation of bacteria to dental caries. Caries of enamel; caries of dentin; inception and progress of dental caries; conditions of the beginning of caries; systematic causes of caries; susceptibility and immunity to caries; vital phenomena in caries; hyperaesthesia of dentin; treatment of dental caries. curative effects of fillings, selection of filling materials. Second half of first semester. Two lectures a week. Professor G. V. Black.

m. *Management of Patients*—Cleanliness; evil habits in chewing food, and their correction; management of special conditions. Caries of children's teeth and its treatment; shedding of the deciduous teeth. Management of children. Erosion; management of cases of erosion; management of cavities by classes; extension for prevention and its limitations. Management in special conditions. Æsthetic considerations. Second semester. Two lectures a week. Professor G. V. Black.

n. *Quizzes and Recitations*—One hour a week. Professor Willard.

o. *Operative Clinic*—Open to third year students from 10:30 to 5:30 daily during term time. Operations amounting to two hundred points are required in gold, and two hundred points in amalgam. Professor G. V. Black and assistants.

p. *Special Fillings*—Fillings are made under the instruction and immediate supervision of the special clinical instructors, and later full written descriptions of the conditions indicating the operation, the instrumentation and choice of instruments used, are submitted for grading as to excellence. Dr. Macfarlane and Dr. Birkland.

BACTERIOLOGY

A combined lecture, recitation, and laboratory course. The equipment includes culture ovens, sterilizers, conveniences for handling test tubes and for making culture media.

Third Year

q. *Principles of Bacteriology*—The preparation of culture media; management of laboratory cultures;distinguishing varieties of micro-organisms in laboratory cultures; physiology of micro-organisms; poisons produced by micro-organisms; diseases caused by micro-organisms, particularly those of

the teeth and mouth; susceptibility and immunity to diseases. One lecture a week. Professor Willard.

r. *Laboratory Work*—Preparation of culture media; planting and management of cultures; separation of species in mixed cultures; deriving pure cultures from infected animals; cultures from saliva, from mucous membranes and from carious teeth; staining, mounting, and microscopic studies; diagnosis of unknowns. There hours a week. Professor Willard.

Oral Surgery

PROFESSOR GILMER, PROFESSOR ARTHUR D. BLACK, DR. POTTS, AND ASSISTANTS

The Course embraces instruction in the general principles of surgery and in the practical application of surgery to pathological conditions occurring in or about the mouth and face, giving special attention to diagnosis and recognition of conditions.

The subject of Anaesthetics and Anaesthesia is presented in detail in lectures, in experiments on animals, in the clinic, in the oral surgery and daily in the extracting clinic. Nitrous oxide is used generally in the extracting clinic, and ether and chloroform in the oral surgery clinic. Local anaesthesia is exhibited frequently in the clinic in cases to which it is adapted.

Third Year

a. *Surgical Bacteriology*—Inflammation; suppuration; wounds; hemorrhage; necrosis; caries of bones; diseases of the maxillary sinus; resection of roots; tetanus; ankylosis; arthritis; facial neuralgia; fractures; dislocations; extraction of teeth; malposition of third molars; impacted teeth; replantation, transplantation, and implantation of teeth; cleft palate and harelip; affections of the lips, tongue, and mouth; tumors; odontomes; ranula; cysts; aneurisms. One lecture a week. Professor Gilmer.

b. *Recitations and Quizzes*—One and one-half hours a week. Professor Arthur D. Black.

c. *Surgical Clinic*—Two hours a week throughout the year. Professor Gilmer, nurses from St. Luke's Hospital, and Dr. Potts.

d. *Special Clinical Instruction*—Diagnosis and case histories. One hour a week. Professor Arthur D. Black.

e. *After Treatment of Surgical Cases*—By students, under direction of Professor Gilmer.

f. *Clinic in the Extraction of Teeth, Daily*—Open to second and third year students. Dr. Stowell.

g. *The Evolution of General Surgical Anaesthesia*—State of the patient; nature of operation; choice of anaesthetic; prolonged dental operations; circumstances of administration; inspection and examination of patients; general anaesthetic agents; local and regional anaesthetics, dangers of anaesthesia. Second semester. One hour a week. Dr. Potts.

h. *Clinical Administration of Anaesthetics*—Oral surgery clinic. Two hours a week. Dr. Potts.

i. *Clinical Exhibition of Nitrous Oxid Anaesthesia*—Daily in extracting clinic. Dr. Stowell.

Orthodontia

PROFESSOR SELLERY, DR. BUCKLEY, AND ASSISTANTS

Orthodontia is taught both didactically and clinically. Proceeding from the normal occlusion, derangements of the alignment of the teeth and malformations of the dental arch are systematically classified, and mechanical arrangements of fixtures for bringing the several classes of irregularities into normal form are carefully studied. Text-books: Angle, Guilford, Knapp. Lantern slides from photographs, X-ray pictures, and models of cases are used.

Third Year

a. *Occlusion and Facial Art*—Etiology, classification, diagnosis of malocclusion. The alveolus and alveolar processes, the peridental membranes, and use of models. First semester. One lecture a week. Professor Sellery.

b. *Regulating Appliances, Angle, Guilford, Knapp*—Anchorages, jack screws, levers, traction screws, extension arch and combinations, split plates, reciprocal anchorages, retention. Illustrated with models, with movable teeth and enlarged appliances. Stereopticon views, illustrating progressive regulation and final fixation. Second semester. One lecture a week. Professor Sellery.

c. *Clinic or Infirmary Course*—Open to students during first and second semesters for practical work in the correction of practical cases. Professor Sellery, Dr. Buckley, and assistants.

General Pathology

PROFESSOR WIGGIN

This course is essential to the student's understanding of general pathological conditions, and forms the basis of his studies of the special pathology of the tissues of the teeth, the membranes of the teeth; the correlated tissues, and the organs of the mouth.

Second Year

a. *Etiology of Disease*—Disorders of nutrition and metabolism; diabetes; fever; general circulatory disturbances; local hyperemia; local anemia; hemorrhage; embolism; infarction; thrombosis; retrogressive processes; atrophy; infiltrations and degenerations; necrosis; inflammation; progressive

tissue changes; neoplasms; infections; granulomata; bacteria, and diseases caused by them. Lectures and recitations. One hour a week. Professor Wiggin.

b. *Quiz Class in Sections*—Second semester. Two hours a week.

Special Pathology and Therapeutics

PROFESSOR MAWHINNEY

In dental practice this is a department of operative dentistry. It includes a study of the diseases and the abnormal conditions of the pulps of the teeth, of the membranes of the teeth, of the immediate surrounding soft tissues and bones, and the mucous membranes of the mouth.

Third Year

a. *A Review of the Structure and Functions of the Dental Pulp*—Hyperemia and inflammation of the pulp; capping exposed pulps; obtunding sensitive dentin. Pulp devitalization; pulp removal; treatment of canals; root filling; suppuration; the healing process; immunity and susceptibility; suppuration of the dental pulp; alveolar abscess; absorption of roots of teeth and of bone; caries of bone; necrosis. A study of germicides and antiseptics with laboratory tests. Bleaching teeth. First semester. One lecture a week. Professor MaWhinney.

b. *Quizzes and Recitations*—First Semester. One hour a week.

c. *Peridental Membranes*—Review of histological structures; simple gingivitis; calcic inflammation; phagadenic pericementitis; replantation and transplantation of teeth; functions of the mucous membranes of the mouth; stomatitis; prophylaxis; mouth hygiene. Second semester. Two lectures a week. Professor MaWhinney.

d. *Quizzes and Recitations*—Second semester. One hour a week.

e. *Clinical Practice*—In addition to the above courses, third year students are required to make two hundred points in practical treatments in the Infirmary clinic, and to send in for examination and criticism a complete history of the conditions found and the treatment record of each of ten cases. Professor MaWhinney is in the Infirmary one-half day each week to superintend this work.

Physiology

PROFESSOR WIGGIN

The work in Physiology includes a course of two lectures a week and text-book study with quizzes, in the first year; in the second year the subject is continued, one lecture a week, devoted mainly to the brain, nervous system, and the functions of reproduction.

First Year

a. *General Physiology*—The structure of the elementary tissue; the chemical composition of the body; the blood; the circulation of the blood. First semester. Two lectures a week. Professor Wiggin.

b. *Quiz Class Work*—In sections. First semester. Two hours a week.

c. *Respiration*—Secretion; food digestion; metabolism; nutrition and diet; animal heat; excretion; muscle; nerve physiology; production of voice. Second semester. Two lectures a week. Professor Wiggin.

d. *Quiz Class Work*—In two sections. Second semester. Two hours a week.

Second Year

e. *The Central Nervous System*—Brain; spinal cord; reproductive organs; development. Lectures and recitations. One hour a week. Professor Wiggin.

f. *Quizz Class Work*—In sections. Two hours a week.

Prosthetic Dentistry

PROFESSOR PROTHERO, DR. METHVEN, DR. WALDBERG, AND ASSISTANTS

The Prosthetic Technic Laboratory and the Junior Prosthetic Laboratory are situated on the fifth floor, and the Senior Prosthetic Laboratory and the porcelain and inlay laboratory are situated on the sixth floor, adjacent to the Crown and Bridge Room. All are well supplied with outside light, and also completely equipped with electric lights.

Each laboratory is furnished wirth electic lathes for grinding and polishing. The Junior Laboratory is completely equipped with the heavier laboratory appliances, such as vulcanizers, celluloid presses, and apparatus for casting aluminum plates. The Prosthetic Laboratory, for the use of second and third year students, and devoted to practical operations for patients, is equipped with the appliances necessary for modern prosthetic dentistry, including compressed air for blow pipe work. The adjacent porcelain and gold inlay laboratory is fitted with electric furnaces and with gasoline furnaces and various kinds of swaging devices and casting apparatus for gold-inlay work. The crown and bridge room, for practical prosthetic operations, is equipped with thirty modern operating chairs and a sufficient nmber of electric connections.

First Year

a. *Prosthetic Technics*—This course covers the fundamental principles of denture construction and crown and bridge work, and accompanies the laboratory course. First semester. One lecture a week. Professor Prothero.

Quiz and Recitation Work—First Semester. One hour a week. Dr. Methven.

b. *Laboratory Course*—Impression taking, model constructing, occluding, waxing, flasking; packing, vulcanizing, and finishing partial and full

artificial dentures. First senester. Nine hours a week. Professor Prothero, Dr. Methven, and assistants.

c. *Metallography*—A descriptive course on the nature and physical properties of metals, especially those used in dentistry, with fundamental principles of their uses; the manipulation of metals, swaging, annealing, solders, and soldering, welding, tempering. Second semester. One lecture a week. Professor Prothero.

d. *Quiz or Recitation*—On the work of Courses a, b and c. Second semester. One hour a week. Dr. Methven.

e. *Laboratory Course*—Construction of dies and counter dies; swaging metal basis of German silver; attaching teeth by soldering and by vulcanite; constructions of crowns and dummies, all metal, and metal and porcelain; assembling individual crowns and dummies to form bridges; constructing and tempering taps and dies of steel; drawing wire and tubing suitable for the construction of orthodontia appliances. Second semester. Nine hours a week. Professor Prothero, Dr. Methven, and assistants.

Second Year

f. *Lecture Course*—Review of technic principles outlined in first year; their application to practical operations in the Infirmary. The physical properties of plaster of Paris and other materials employed in prosthesis. Muscles of mastication; force of the bite; movements of the lower jaw; natural arrangement and occlusion of artificial teeth. One lecture a week. Professor Prothero.

g. *Quiz or Recitation*—One hour a week. Dr. Methven.

h. *Laboratory Course*—Construction of full metal and partial metal base dentures, with teeth attached by soldering and by vulcanite; construction and application of clasps to partial dentures; advanced work in crowns and bridges. Nine hours a week. Professor Prothero, Dr. Waldberg, and Dr. Methven.

i. *Prosthetic Clinic*—Each student is required to carry to completion for patients a number of practical cases, representing each of the various classes of prosthesis, amounting to at least one hundred points in crowns and bridges and one hundred points in plate work. Professor Prothero, Dr. Methven, and assistants.

Third Year

j. *A Critical Review*—Summary of recent methods and appliances; application of porcelain in prosthesis; baked porcelain crowns; porcelain bridges, full porcelain dentures; methods of cavity preparation for porcelain inlays; forming, baking, and setting porcelain inlays. Methods of obtaining wax models of cavities, forming investments, and casting, and setting gold inlays. The student is assigned a series of articles for reading, and is required to present a thesis covering the subject named. One lecture a week. Professor Prothero.

k. *Laboratory Course*—Cast aluminum base dentures; celluloid dentures; banded Logan crowns; baked porcelain crowns; porcelain bridges; continuous gum dentures. First semester. Six hours a week. Professor Prothero, Dr. Waldberg, Dr. Methven, and assistants.

l. *Prosthetic Clinic*—Practical pieces of prosthetic work of all varieties made and fitted for patients in the Infirmary. Studies of the conditions of the mucous membranes; the preparation of roots for crowns and the abutments of bridges; making and setting crowns and bridges, and preparation of cavities and setting porcelain or gold inlays. The minimum requirement is two hundred points in crowns and bridges and two hundred points in plate work.

The Infirmary is open to students from 10:30 to 5:30 o'clock each day during term time. This period is divided between the Prosthetic and the Operative Departments, and text-book work and general reading. Professor Prothero, Dr. Methven, and assistants.

Course for Graduates and Practitioners

The course opens on June 9, 1910, and continues four weeks, with six days of teaching each week. It includes two hours of lectures and six hours of practical teaching each day, by members of the regular staff of the School. Especial attention is given to porcelain and gold inlays, crowns, bridge work of all kinds, the treatment of pyorrhœa, and the most recent methods in Operative Dentistry, Oral Surgery, and Orthodontia. The studies for 1910 are:

Operative Dentistry—Professor G. V. Black, assisted by Professor A. D. Black, and others.

Histology, as Applied to Operative Dentistry—Professor Frederick B. Noyes.

Oral Surgery—Professor Gilmer and assistants.

Materia Medica—Professor MaWhinney.

Prosthetic Dentistry—Professor Prothero and assistants.

Orthodontia—Professor Sellery.

Certificates are given to those who complete the course.

For the fees payable for this course see "Fees and Expenses," page 252.

General Statements

REQUIREMENTS FOR DEGREE

The degree of Doctor of Dental Surgery is conferred upon students recommended therefor by the Faculty of the School. Candidates are recommended who have attended the required courses of lectures, who have passed satisfactorily all required examinations in the subjects of study, the entire last year having been completed in this School; who have completed the required clinical and laboratory work; who, in the judgment of the Faculty are of fit moral character and are 21 years of age; and who have discharged in full all financial obligations to the University.

THE LIBRARY AND READING ROOM

The Menges Library and Reading Room, named in honor of the late Dr. Theodore Menges, occupies, together with the attached Journal Reading Room, three thousand feet of floor space. It is furnished with reading tables and chairs for about one hundred students. The Library constain 2904 volumes of books on dental and collateral subjects; a rich supply of dictionaries and encyclopedias conveniently placed in the Reading Room for easy consultation; and a nearly complete list of the dental journals that have been published in the English language, with about 16,000 duplicate numbers. The books most used by the students are duplicated, up to six or twelve, and a few to fifteen copies. The books and journals may be used in the Reading Room without restriction, and when the duplication of volumes will allow, they may be drawn out as a circulating library.

THE MUSEUM

The Museum is in the Reading Room and is open to inspection and study. The cases are arranged to show the specimens to the best advantage.

The comparative anatomy specimens are, with the exception of the gorilla and chimpanzee, of which there are full skeletons, heads with the teeth. There is a sufficient number of varieties of each of the several orders to afford specimens of every kind of tooth form and of every variety of placement in mammals, saurians, and snakes, with a rich variety of fishes.

The principal specimens of human skull are first, an excellent mounting of the separated bones of the adult; second, a fine set of dissections in a series showing the development of the teeth and the roots from the first appearance in the fetus to the full adult development, and illustrating the absorption of the roots of the deciduous teeth, the shedding process, and the replacement by permanent teeth; also the absorption of the alveolar processes after the loss of teeth, with the changes that occur in the form of the bones of the jaws fron childhood to old age. This is an exceptionally complete, attractive, and valuable set of specimens. There is also a variety of ordinary human skulls.

The Museum contains also a valuable collection of human teeth of abnormal forms; a very full and complete set of specimens illustrating inter-

proximal wear and the flattening of the points of interproximal contact. It is especially rich in casts of cases of supernumerary teeth; some illustrations of the very early forms of artificial teeth, of manufactured porcelain teeth, and of dental instruments, illustrating the development in these lines. This collection has been made in the School largely by students and by alumni, and is being continually increased by donations from those who have met with specimens unusual or rare in practice. Such donations are requested from all practitioners to assist in building up this great museum of abnormal conditions of teeth and of associated parts for the benefit of dental education.

FEES AND EXPENSES

Tuition Fee—A year $150.00

This fee may be paid in two or three installments. If paid in two installments, $78.00 must be paid not later than October 20, and $75.00 on February 20. If paid in three installments, $55.00 must be paid not later than October 20, $50.00 on January 20, and $50.00 on April 20.

Registration Fee—A year ..... $ 5.00
Breakage Fee—A year 1.00
Anatomical Fee—For first and second year students 5.00
Final Examination Fee—For Seniors 15.00
Laboratory Deposit—For chemistry and histology, each, a year 5.00

Deductions are made for damage and loss of apparatus, the balance being refunded to the student. The deposit must be made before the student is admitted to the laboratory.

Locker Fee—For use of a locker for the protection of a student's private property, the student furnishing his own lock, a year ..... .50

Time of Payment of Fees—All fees are payable at the beginning of the school year.

Refund of Fees—Fees are returned only in the case of serious illness.

Payments should be made in currency or in Chicago exchange drawn to the order of the Secretary of Northwestern University Dental School.

BOARD AND LODGING

Rooms and board may be obtained in convenient neighborhoods at $4.00 to $6.00 a week. Rooms without board, furnished or unfurnished, may be had at $6.00 to $10.00 a month.

PRACTITIONERS' COURSE FEES

Registration ..... $ 5.00
Tuition for one subject 45.00
Tuition for two or three subjects 60.00
Tuition for the entire course 70.00

Graduates of the School are allowed a reduction of 20 per cent from these fees.

For further information relating to the Dental School, address The Secretary, Northwestern University Dental School, Chicago, Illinois.

The School of Music

THE SCHOOL OF MUSIC was established in 1895. It offers extensive practical and theoretical courses in music, and is designed to fit students for the profession as composers, theorists, artists, teachers, or critics. It also makes provision for the study of music as a part of general culture or as an accomplishment.

This School occupies Music Hall on Willard Hall Campus. This building was erected during the year 1897 for the special needs of the School of Music. It is situated on University Place, between Sherman and Orrington Avenues, immediately to the north of Willard Hall and one block west of the University Campus. It is within easy access of all electric railways, and is two blocks east and two blocks north of the Evanston railway station. It is substantially built of stone and brick, with a tile roof, and is finished in Georgia pine. The main floor contains the Office of the Dean, the Business Office, Reception Room, teaching and practice rooms. On the second floor are additional class-rooms, and a well-arranged concert hall seating three hundred fifty persons. The hall is provided with a large stage, with dressing rooms, a grand piano, a two-manual pipe organ with pedals, and is seated with opera chairs. The basement floor is divided into fourteen rooms, giving a large class-room for recitations in theory and musical history, and thirteen practice rooms.

With its Preparatory Department, and its Certificate and Diploma Courses, the School of Music supplies facilities for the study of music from the very beginning to an advanced stage of artistic proficiency. The student desiring to fit himself for professional performance will find well ordered courses in the study of piano, organ, violin, violoncello, or singing, together with auxiliary studies in the theory and history of music. The student seeking to specialize in theory, composition, or the history of music will find opportunities for development in these departments of work.

The courses of instruction are under the guidance of experienced specialists who have enjoyed the best advantages afforded by this country and Europe. The scholarly side of musical attainment represented in the theoretical courses is unusually complete and exhaustive. While open to all seeking musical instruction, the School particularly welcomes earnest, capable, and diligent students who desire adequately to comprehend and worthily interpret a noble art.

Abram Winegardner Harris, Sc.D., LL.D.
President

Peter Christian Lutkin, Mus.D.
Dean

Irving Hamlin
Secretary

Peter Christian Lutkin, Mus.D.
Professor of Organ, Theory, and Composition

Harold Everard Knapp
Director of the Violin Department
Professor of Violin and Ensemble Playing

Arne Oldberg
Professor of Piano and Composition

William Henry Knapp
Instructor in Voice Culture

Karleton Hackett
Director of the Vocal Department
Instructor in Voice Culture

Day Williams
Instructor in Violoncello

Margaret Cameron
Instructor in Piano

Louis Norton Dodge
Instructor in Piano and Theory

Nina Shumway Knapp
Instructor in Piano

Victor Garwood
Instructor in Piano and History of Music

Bertha Althea Beeman
Instructor in Voice Culture

Hila Verbeck Knapp, A.B.
Instructor in Piano

Curtis Abell Barry
Instructor in Organ

Barbara Ann Russell
Instructor in Sight Reading, Choral Music, and Public School Methods

Charles John Haake
Director of the Preparatory Department
Instructor in Piano

Alta Dorothy Miller, B.L.
Instructor in Voice Culture

Gail Martin Haake
Instructor in Piano

Nellie Beulah Flodin
Instructor in Piano and Ensemble Playing

Charles Joseph King
Instructor in Clarinet, Oboe, and Bassoon

Walfried Singer
Instructor in Harp

Charles Stephen Horn
Instructor in Cornet

Lura Mary Bailey
Assistant Instructor in Piano

Hedwig Brenneman
Assistant Instructor in Voice Culture

Mae Isabel Smith
Assistant Instructor in Piano

Walter Allen Stults
Assistant Instructor in Voice Culture

Alfred George Wathall
Instructor in Violin and Theory

Admission and Instruction

Students enter the School of Music either as regular or as special students Regular students pursue prescribed courses of study as candidates for a certificate or diploma. Special students pursue such work as they may elect; but, if they are not residents of Evanston, they are required to take sufficient work to keep their time reasonably occupied. They have the privilege of appearing at the regular solo classes and students' recitals, and thus receive the benefit of frequent public performance. All students come under the discipline and general social regulations of the University.

For the course in Applied Music moderate attainments representing on an average one year of systematic training in singing or two or three years in instrumental music are necessary.

METHODS OF INSTRUCTION

Attention is called to the fact that instruction in instrumental and vocal music is based upon private lessons, and not upon the so-called conservatory or class system. Artistic results are entirely dependent upon a close adaptation of instruction to the individual needs of the pupil, and cannot be accomplished satisfactorily in classes. Advantages of the class system—those of emulation and observation—are fully provided for by weekly solo classes.

OUTLINE OF COURSES

The Course in Applied Music leads to the Degree of Graduate in Music.

The Course in Theory and History of Music leads to the Degree of Bachelor of Music.

The Post-Graduate Course.

The Literary Musical Course.

The Course in Methods in Public School Music.

The Course in Applied Music

The course is designed as a preparation for professional work. Students of decided ability can complete the course in four years.

The course includes the practical study of piano, organ, violin or voice, in private individual lessons, twice a week, for which four hours a day are spent in preparation. It includes also certain theoretical subjects scheduled below, which are given in classes. Voice students may substitute piano playing of medium grade, choir practice and choral practice in the Evanston Musical Club for instrumental sight-reading, ensemble playing, and reading from score. The amount of vocal practice is fixed by the instructor. Organ students divide their time between the organ and the piano; but if sufficiently advanced in technique and in sight reading, they may be relieved from the piano requirements and may substitute one lesson a week upon the organ, with a special tuition rate. See page 262. For students of stringed instruments, orchestra practice is considered an equivalent for ensemble playing.

STUDIES IN COLLEGE

Students pursuing the Course in Applied Music who meet the entrance requirements of the College of Liberal Arts will receive, upon the satisfactory completion of this course, the degree of Graduate in Music. Opportunity is given in the Evanston Academy of the University to make up any reasonable deficiency in College entrance requirements without additional expense. Matriculation once effected permits the candidate to pursue each year one College study without additional fee. Candidates registered for such subjects are not permitted to discontinue them except at the end of a semester. The courses of instruction in the College of Liberal Arts are described in detail on pages 81 to 117. The subjects open to election in the Academy are not given in this catalogue, but are listed in the Bulletin of the Evanston Academy, to be had upon application.

Candidates who confine their work to the musical studies scheduled below are granted a diploma of musical proficiency upon satisfactory completion of the course. Such students may carry one literary study in the Academy during the course without additional fee.

A student completing the second or third year work may obtain a School of Music certificate stating his grades in the various theoretical studies, and if desired, it will include a statement as to the character and degree of attainment in applied music.

PROGRAM REQUIREMENTS

In addition to the following schedule candidates for diplomas must satisfactorily perform programs conforming to the following requirements:

Piano Students—A concerto or chamber-music of advanced difficulty; one of the later Beethoven sonatas; one of the more important works of Bach;

two Chopin études; selections from the more important works of Schumann and Brahms.

Organ Students—One of the great preludes and fugues of Bach; a sonata of Guilmant or Rheinberger; selections from the works of Thiele, Widor, Merkel, or Franck.

Violin Students—A Bach sonata; a concerto of advanced difficulty; a modern sonata for piano and violin; selections from the more important works of Vieuxtemps and Wieniawski.

Vocal Students—An operatic aria; an aria from Handel's Messiah or Haydn's Creation; an aria from a modern oratorio; group of songs from Brahms, Jensen, Schumann, Schubert, or Franz.

The letters given after the subjects in the table below refer to the courses as listed in the College of Liberal Arts section of this catalogue, pages 81 to 117.

For hours of recitations and details of studies in Courses A to P, see pages 104 to 106.

First Year

Introductory Harmony, Form and Analysis.....Course A
History of Music.....Course B
Sight-Reading, Vocal.....Course C
Ensemble, four and eight-hand piano playing
Solo Classes, Recitals and Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

Second Year

Harmony.....Course D
Form and Analysis.....Course E
History of Music.....Course F
Chorus and Choir Training Course G
Ensemble, pianoforte and strings, and Accompaniment
Solo Classes, Recitals, Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

Third Year

Counterpoint.....Course H
Advanced Harmony.....Course I
Composition.....Course J
Advanced History of Music.....K
Analysis.....Course L
Ensemble, pianoforte and strings, and Accompaniment
Solo Classes, Recitals, and Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

Fourth Year

Counterpoint, Canon and Fugue .....Course M
Vocal Composition.....Course N
Instrumental Composition.....O
Analysis.....Course P
Ensemble, Chamber Music
Music Pedagogy
Solo Classes, Recitals, and Concerts
Applied Music, two half-hour lessons a week
One College or Academy Study

Course in Theory and History of Music

This course is intended for composers and theorists. It requires four years and leads to the degree of Bachelor of Music. The candidate for admission to the course should be fairly experienced at the piano, and able to play all exercises and compositions taken up in class, including score reading.

The candidate must complete satisfactorily the studies of the schedule below, and obtain in the College of Liberal Arts one-fourth of the number of credits required for the degree of Bachelor of Arts. His list of studies must include General Physics.

He is required to score for full orchestra a composition assigned to him by the faculty such as a movement from a piano sonata by Beethoven, or to compose and score an original work of considerable length. This work must be satisfactory to the faculty in technical and artistic aspects, and must demonstrate a decided command of orchestral resources and effects.

This course necessitates constant attendance upon choral and orchestral concerts, and the diligent study of the full scores of standard works.

Upon the completion of three years of this course a certificate is issued by the University.

First Year

Harmony.....Course D
Form and Analysis.....Course E
History of Music..Courses B and F
Chorus and Choir Training.....G
Ensemble..... Optional
One College Study

Second Year

Counterpoint.....Course H
Harmony.....Course I
Composition.....Course J
History of Music.....Course K
Analysis.....Course L
Ensemble .....Optional
One College Study

Third Year

Counterpoint, Canon and Fugue
.....Course M
Vocal Composition.....Course N
Instrumental Composition.....O
Analysis..... Course P
Ensemble .....Optional
One College Study

Fourth Year

Canon and Fugue.....Course Q
Vocal Composition.....Course R
Instrumental Composition Course S
Ensemble.....Optional
One College Study

For hours of recitation and details of studies in Courses D to S, see pages 104 to 106.

The Post-Graduate Course

This course offers to performers opportunity to pursue further their preparation for artistic concert performance or to extend their knowledge of the classical literature of applied music. To composers it offers valuable experience in the larger forms, such as cantatas, oratorios, chamber music, and symphonies.

The Literary Musical Course

This course, intended for students of high school grade, includes the more essential subjects of general culture, together with the study of music for two hours daily. It is the four-year course of the Evanston Academy, with the substitution of Music for one-fourth of the required work. The choice of studies includes Latin, physiography, algebra, English, Grecian and Roman history, Greek, biology, plane geometry, physics, German and French. Music is pursued continuously during the entire course, two lessons a week to be taken, requiring at least two hours a day in practice and preparation. Students who wish to pursue the study of Music as a part of their school work come under the jurisdiction of the Academy, and receive its diploma upon passing the necessary examinations. For particulars, other than musical, see the circulars of the Evanston Academy of Northwestern University.

The Course in Methods of Public School Music

The course is intended to fit the candidate for the position of Supervisor of Music in the public schools. The course requires one year, but students who enter it without previous experience in singing and without knowledge of the rudiments of music can hardly complete it in that time. The study of music is taken up from the rudiments, but first principles are not dwelt upon extensively.

The course includes observation of class work in the public schools, under the direction of the Supervisor of Music for the City Schools of Evanston, who has charge of this department.

A study of music is assuming more and more importance in public schools throughout the country, and well-equipped supervisors are in demand. The ability to teach one or two branches of study besides music frequently helps a candidate in obtaining an appointment, and secures him higher remuneration.

Students in this course may substitute more advanced work in any of the above subjects, provided they can prove their ability to carry it. For hours of recitation and details of studies in Courses A to T, see pages 104 to 106.

Introductory Harmony, Form and Analysis.....Course A
History of Music.....
.....Courses B and F
Sight-Reading, vocal.....Course C
Chorus and Choir Training....
.....Course G
Public School Methods....Course T

Ensemble, four and eight-hand piano playing, and Accompaniment, (optional); one College or Academy study.

Music Pedagogy

During the last term of each year is provided a series of lectures, primarily intended for the graduating class, and designed to give an orderly survey of the materials of music education with special reference to piano playing from the beginning to an advanced stage of attainment.

Preparatory Department

A Preparatory Department is maintained by the School of Music in which excellent instruction may be obtained in piano, organ, voice, or theory. Instruction is given for the most part by graduates and under-graduates of the school, classified as Assistant Instructors. The quarters coincide with those of the regular school and are nine weeks in length. Tuition rates are from fifteen dollars to eighteen dollars a quarter of eighteen half-hour lessons.

General Statements

GRADUATION

Upon the recommendation of the Faculty, diplomas are given to students who complete the course in Applied Music, or the course in Theory and History of Music; certificates are given to those who complete the course in Methods of Public School Music or the second or third years of the course in Applied Music or the course in Theory and History of Music.

Certificate of Performance

Certificates of performance are given to students who have studied two years in the school and can perform creditably a program in their specialty. The minimum requirements are as follows:

Piano Students—Beethoven, a complete sonata; Bach, a fugue or three-voiced invention; Mendelssohn, Schumann, Chopin, characteristic pieces of average difficulty; two selections from modern composers.

Organ Students—Bach prelude and fugue; Mendelssohn, sonata complete; two groups of pieces drawn from the modern English and French schools.

Violin Students—A sonata for piano and violin from Haydn, Mozart, or Beethoven; one of the easier Viotti concertos; two groups of solo pieces of average difficulty.

Vocal Students—An oratorio aria; a group of songs from the classic composers; a group of songs from modern composers.

FEES AND EXPENSES

All fees are for the year 1909-1910 and are subject to change in subsequent years. Revised rates are given each year in advance in the July catalogue of the School of Music, to be had upon request.

The school year is divided into four quarters of nine weeks each, and the indicated fees, unless otherwise stated are payable each quarter strictly in advance at the University office, 518 Davis Street. Checks may be drawn payable to Northwestern University.

Matriculation Fee—A matriculation fee of five dollars is charged upon entering the regular courses of theoretical classes. It is paid but once.

Incidental Fee—A fee of fifty cents a quarter is charged each student. This fee covers admission to the Artists' Series of Concerts.

Musical Club Fees—Active membership in the Evanston Musical Club, see Course G, page 105, is three dollars a year. Students in regular courses are required to attend the concerts of the Club and are charged fifty cents in the first, second and third quarters for admission to these concerts, with reserved seat. Students who are active members of the Club are exempt from this charge.

Diploma and Certificate Fees—The diploma fee is ten dollars. The certificate fee is five dollars.

Locker Fee—A fee of twenty-five cents a quarter is charged those desiring the use of a locker.

Free Courses—The classes in Sight-Reading, the Chamber Music and Faculty Concerts, except the Artists' Series, numerous recitals and lectures in the School of Music and others in departments of the University, are open to students of the School of Music, free of charge.

COURSE FEES

Course in Applied Music—A Theory fee of twenty dollars is charged in addition to the fee for one major study as given in the table below.

Course in Theory and History of Music—The fee is twenty dollars.

Post-Graduate Course—Same as Special Student fees.

Literary Musical Course—The fee is the Academy tuition fee of seventy-two dollars a year, in addition to fees for Special Students of the School of Music, less five dollars a quarter.

Course in Methods of Public School Music—The regular fee is thirty dollars. Students registered in the Course in Applied Music or the Course in Theory and History of Music pay ten dollars. Students desiring applied

music may take one study under the fees of the table of Major Study Fees; if more than one be desired, the additional study is taken in the table of Special Students Fees.

Additional Fees—Students desiring to take more than one College study are referred to the statements of fees on page 138.

Major Study Fees

The fees for Major studies are given in the following table. They are applicable to one study of students paying the full Theory Fee of twenty dollars or the full Public School Methods Fee of thirty dollars. Additional studies are taken from the table of Special Student Fees. The rates apply for a quarter of nine weeks; the lessons are a half-hour in length.

PRIVATE LESSONS EACH WEEK	ONE	TWO
Organ		
Peter C. Lutkin		$35.00
Peter C. Lutkin (Special Organ rate, see page 256)	$20.00	
Curtis A. Barry		20.00
Curtis A. Barry (Special Organ rate, see page 256)	12.00	
Piano		
Arne Oldberg		35.00
Victor Garwood		30.00
Margaret Cameron		25.00
Louis N. Dodge		22.00
Nina S. Knapp		22.00
Charles J. Haake		20.00
Nellie B. Flodin		20.00
Gail M. Haake		18.00
Hila V. Knapp		16.00
Voice		
Karleton Hackett		50.00
Alta D. Miller		35.00
Bertha A. Beeman		28.00
William H. Knapp		25.00
Violin		
Harold E. Knapp		30.00
Alfred G. Wathall		20.00
Violoncello		
Day Williams		22.00
Theory		
Arne Oldberg		40.00
Louis N. Dodge		22.00

FEES FOR SPECIAL STUDENTS

These fees are paid for private lessons by students who take vocal or instrumental music only, or a partial course in theory, or the full theory course under certain conditions already mentioned. The rates are for a quarter of nine weeks; the lessons are a half-hour in length.

PRIVATE LESSONS EACH WEEK	ONE	TWO
Organ		
Peter C. Lutkin	$25.00	$45.00
Curtis A. Barry	13.50	25.00
Piano		
Arne Oldberg	25.00	45.00
Victor Garwood	22.00	40.00
Margaret Cameron	17.00	31.50
Louis N. Dodge	15.00	27.00
Nina S. Knapp	15.00	27.00
Charles J. Haake	13.50	25.00
Nelle B. Flodin	13.50	25.00
Gail M. Haake	12.00	22.50
Hila V. Knapp	11.00	20.00
Lura M. Bailey	8.50	15.00
Mae I. Smith	8.50	15.00
Voice		
Karleton Hackett	33.00	60.00
Alta D. Miller	25.00	45.00
Bertha A. Beeman	20.00	36.00
William H. Knapp	17.00	31.50
Hedwig Brenneman	10.00	18.00
Walter Allen Stults	10.00	18.00
Violin		
Harold E. Knapp	22.00	40.00
Alfred G. Wathall	13.50	25.00
Theory		
Arne Oldberg	30.00	54.00
Louis N. Dodge	15.00	27.00
Violoncello		
Day Williams	15.00	27.00
Clarinet		
Charles J. King	10.00	18.00
Cornet		
Charles S. Horn	10.00	18.00

FEES FOR PARTIAL COURSES

One hour per week (Courses B, F, I, K, L, M, P)	$ 5.00
Two hours per week (Courses D, E, H, N, R, S)	8.00
Three hours per week (Courses A, J, O)	11.00
Course C (free to those taking other work)	1.50
Course G (free to those taking other work)	1.50
Course T	10.00
Pedagogy (free to fourth year students of Course in Applied Music)	5.00
Instrumental Ensemble (first year)	5.00
Instrumental Ensemble (second, third and fourth years)	10.00
Physical Culture	2.50

The above rates apply to students taking a partial theory course and who do not wish to pay the full Theory Fee of $20 mentioned under Course Fees. Detailed information regarding the above courses A to T are given on pages 104 to 106.

PRACTICE FEES

Piano Practice:	
One hour a day	$3.00
Two hours a day	5.50
Three hours a day	8.00
Four hours a day	10.00
Three-manual Pipe Organ (including blowing) 30 cents per hour.	
Two-manual Pipe Organ (including blowing) each hour of daily practice, per quarter	10.00
Vocalion Organ, (including blowing) each hour of daily practice, per quarter	7.50
Pedal Piano, each hour of daily practice, per quarter	5.00
Combination rate for two-manual pipe organ and pedal piano, each hour of daily practice, per quarter	7.50

REFUNDS

Private lessons falling upon legal holidays are made up at the convenience of the teacher. Deductions are not made for occasional absences due to illness or other causes. In cases of protracted illness, when due notice is given, private lessons missed are transferred to a later quarter, or the loss is divided with the student.

A discount of twenty-five per cent on private lessons is allowed to the immediate members of the family of a clergyman who is actively engaged in the work of the ministry. It is not allowed on class instruction or practice. One-half the fee for class lessons or practice is refunded to a student who withdraws before the middle of a quarter, provided he secures from the Dean a statement of honorable standing, and from a physician a certificate that his health does not permit him to remain in attendance.

For further information and for special circulors relating to the School of Music, address Northwestern University School of Music, Evanston, Illinois.

The School of Commerce

THE SCHOOL OF COMMERCE was organized in June, 1908. The foundation of the School was in response to the view of both the University and many of the merchants of Chicago that the time was ripe for the organization of higher commercial education on a broad and scientific basis.

The material offered by the business activities of the city and the nation constitutes the laboratory of this education; the work of systematizing the material and reducing it to teachable form is the especial task of the University. The location of the School in the Northwestern University Building in the heart of the city provides an excellent opportunity for young men employed in business houses to acquire a thorough training in the science of commerce.

At the start the University received the active co-operation and financial assistance of the business men of Chicago. Sixty merchants guaranteed the financial success of the school for the first three years of its work. These men were members of the Chicago Association of Commerce, the Illinois Society of Certified Accountants, and the Industrial Club of Chicago. While the School is an integral part of the University, the immediate financial supervision is in an executive committee composed of the President of the University, a second representative of the University, three members of the Chicago Association of Commerce, and three members of the Illinois Society of Public Accountants. The co-operation of the University and active business men insures the maintenance of University standards of work and close touch with actual business life and modern commercial methods.

It is anticipated that as the School matures in years and experience it will offer a wider curriculum and will invite to its service men eminent in the art as well as in the science of commerce; that it will find ever readier access to commercial data; that the School will become a clearing-house for interesting and important business information, the dissemination of which by scientific methods will be a valuable asset to the commercial life of the country.

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

Willard Eugene Hotchkiss, Ph.D.
Dean and Professor of Economic and Social Science

Frank Richardson Mason, A.M.
Secretary and Instructor in Merchandising

Seymour Walton, A.B., C.P.A.
Professor of Theory and Practice of Accounting

Walter Dill Scott, Ph.D.
Professor of Advertising

Earl Dean Howard, Ph.D.
Assistant Professor of Banking and Finance

Murray Shipley Wildman, Ph.D.
Assistant Professor of Economics and Commerce

William D. Kerr, A.B.
Instructor in Transportation

Guy Van Schaick, B.L., LL.B.
Instructor in Commercial French and Commercial Spanish

George Wiley Sherburn, A.B.
Instructor in Business English

Arthur Edward Anderson, C.P.A.
Lecturer in Accounting

Charles Henry Langer
Lecturer in Accounting

Alfred William Bays, A.B., LL.B.
Lecturer in Commercial Law

John Lee Mahin
Lecturer on Advertising

Donald Francis Campbell, Ph.D.
Lecturer on Life Insurance

Joseph Bernard Finnegan, B.S.
Lecturer on Fire Insurance

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Admission and Instruction

Applicants for admission to the School must be at least eighteen years of age. A candidate for a diploma is expected to have had the advantage of a complete high school training or its equivalent. Persons of suitable age and business experience, who are not in a position to register for the complete diploma course, may register for any subject for which they are prepared. The criterion for admission to the several courses will be the ability to pursue the work with profit. Plans are under consideration for the establishment of a degree course for admission to which two years of college credit will probably be required.

Courses of Instruction

A candidate for a diploma or a degree in the School of Commerce is required to complete the following work: one year in Accounting, one year

in Commercial Law, one year in Finance and one year in Economics. The required subjects are designed to equip the student with the fundamental principles applicable to business in general, after which he will adapt his course to the nature of the business he is preparing to pursue. The subjects outlined below indicate the range of work from which electives may be chosen. Additions and alterations will be made as experience may suggest

Accounting

PROFESSOR WALTON, MR. ANDERSON, MR. LANGER

Accounting, First Principles—Introduction to the study of Accounting. Analysis of accounts and business properties, involving a study of earnings, debits, credits, assets and liabilities. Sufficient attention will be devoted to the main types of bookkeeping to give the student without previous experience an intelligent understanding of the fundamental principles of accounting. Monday evenings, 7-9. Mr. Langer.

Accounting, Intermediate—Principles and procedure of modern accounting methods; partnership accounts; corporation accounts; receivers' and executors' accounts; bankers' and brokers' accounts; cost accounts. A knowledge of routine bookkeeping and primary accounting is required. Friday evenings, 7-9. Mr. Anderson.

Accounting, Advanced—Scientific analysis of problems in practical accounting, theory and auditing; municipal, public utility and insurance accounts; cost accounts and the sub-divisions of manufacturing accounts. Students who complete this course satisfactorily are prepared for the state examination leading to the degree of Certified Public Accountant. Monday evenings, 7-9. Professor Walton.

Higher Accounting Problems—A continuation of the advanced course designed to broaden the foundation of students who intend to follow accountancy as a profession. Specialized courses in higher accounting may be arranged in response to specific demand. Not given in 1909-1910.

Business Organization

PROFESSOR SCOTT, MR. MAHIN, DR. CAMPBELL, MR. FINNEGAN, MR. MASON, MR. KERR

The courses in this subject will fall under two groups: first, those dealing with the different divisions of large business concerns; second, courses dealing with principles and practice applicable to special lines of business. The aim is to bring to the use of students the experience gained in successful business undertaking.

Establishment and Management of a Business—Factors determining the time and place of opening a business; policy of management toward laborers; the organization of departments; expansion through branch concerns; tests of efficiency branches; large scale production; development of markets; disposal of surplus product; cultivation of foreign markets; relation between producing and finance elements in a large business; consistency of general executive policy. Not given in 1909-1910.

Psychology of Business, Advertising and Sales—Study of the laws of psychology which have most direct application to business; psychological principles of efficient organization; *esprit de corps*; laws for increasing human efficiency. Salesmanship from the psychological standpoint; study of customers' wants. Advertising; study of the development and value of different advertising media; publicity departments in various establishments. Monday evenings, 7-9. Professor Scott and Mr. Mahin.

Life Insurance—General introduction to the theory and practice of life insurance; industrial, fraternal and assessment insurance; mortality tables and methods of computing therefrom premiums, annuity assessments and general policy values; organization of an insurance company; problems of management; force of salesmen, and branch agencies; state control; taxation and supervision. Friday evenings, 7-9. Dr. Campbell.

Fire Insurance—History and general conduct of the business; kinds of policies and risks as affected by provisions for preventing fire and by other circumstances; different methods of determining risks; the Dane schedule; outline of insurance company organization, practice and routine with explanation of schedules, rules and forms; appraising, adjustment and settlement of losses; state taxation and control. Wednesday evenings, 7-9. Mr. Finnegan.

Railroad Organization and Problems—Survey of the organization of a railroad and its relation to shippers, the public and the government; development of transportation systems and their relation to markets; Chicago, "The Great Central Market;" rights and liabilities of common carriers, classification of rates, rate agreements and rate wars; government regulation and control. Friday evenings, 7-9. Mr. Kerr.

Merchandising—Organization of wholesale and retail trades; credits; co-operation of dealers through commercial organizations; organizations of leading wholesale and retail establishments; their division into departments; buying and selling policy; methods of holding departments responsible; general executive policy. Frequent lectures by experienced merchants will supplement the regular class exercises. Mr. Mason.

Real Estate—See Commercial Law II.

Money, Banking, and Finance

PROFESSOR HOWARD AND PROFESSOR WILDMAN

Finance—Monetary problems as related to our economic system; principles of money; description of monetary systems; function of banks; relation of banks to speculation; panics and financial crises. Thursday evenings, 7-9. Professor Howard.

Corporation Finance—The economic function of corporations; their promotion, organization and legal status; the marketing of securities; brokerage: its relation to speculation and investment; stock exchanges; failures and reorganizations; public regulation of the brokerage business. Thursday evenings, 7-9. Professor Wildman.

Stocks and Bonds and Investments—A study of the securities issued by national, state and municipal governments and by railroads and other industrial corporations; the nature of investment; a comparison of the advantages of various kinds of stocks and bonds for investment purposes; the security market; organization and methods of the stock exchange; banking and stock brokerage business; the organization of bond houses and their methods of marketing securities. Tuesday evenings, 7-9. Professor Wildman.

Economics

PROFESSOR HOTCHKISS AND PROFESSOR WILDMAN.

Practical Economics—Application of sound economic reasoning to the practical affairs of business life. A study of the principles of value as manifested in different lines of industrial activity, and the application of these principles to specific business problems. Wednesday evenings, 7-9. Professor Wildman.

Economic Problems—Industrial conditions arising out of concentration of industry; development and preservation of resources; improved methods of production; industrial classes; standard of living; development of trade unions; influence of unions; business organization and the consolidation of capital; discussion of present economic conditions in business. Not given in 1909-1910.

Economic Resources and Foreign Trade—Comparison of the resources and leading industries of different countries; foreign countries as markets for American goods, as places of investment for American capital; trade conditions in South America and in the Far East; influence of shipping on foreign trade; organization of ocean commerce; tariffs and the development of international trade. Not given in 1909-1910.

Public Relations of Business—Relations of large-scale organization to the city, the state and the nation. Civic functions of civil bodies, such

as associations of commerce, commercial clubs, boards of trade; government regulation of industries; public service industries and their effect upon the business condition of the city; critical discussion of the object, efficiency, and general policy of public regulation. Not given in 1909-1910. Professor Hotchkiss.

Languages

MR. SHERBURN, MR. VAN SCHAICK

Business English—Drill and criticism in the writing of arguments, themes, letters, reports and other forms of composition. Special attention devoted to the use of clear, forceful and dignified English in business correspondence. The aim is to give students a more complete mastery of the language and greater fluency of expression. Wednesday evenings, 7-9. Mr. Sherburn.

Commercial Spanish—Training in pronunciation and conversation; appropriate stress laid on technical vocabulary of trade and on Spanish forms of commercial correspondence. Thorough drill in grammar and in the use of correct and idiomatic expression. The aim of this course is to provide such a practical knowledge of modern Spanish as would prove of value in commercial relations with our insular possessions and the South American republics. Thursday evenings, 7–9. Mr. Van Schaick.

Commercial French—Practice and drill in French grammar amd idioms; exercises in translation; analysis, discussion and reproduction of models of French business communications and of official documents pertaining to commercial life. The course is intended for those who desire a practical knowledge of modern French for business purposes. Not given in 1909-1910.

Commercial German—Thorough drill in grammar and idioms; frequent exercises in conversation and in grammatical forms, accompanied by practice and criticism in commercial correspondence. Not given in 1909-1910.

Additional Courses

Courses in Industrial Chemistry, Industrial Engineering, Economic Geology and other subjects not included in the general course in Commerce but indispensable for certain lines of business are offered in response to specific demand.

General Statements

SPECIAL LECTURES

Members of the Board of Guarantors and other men prominent in business and professional life give, from time to time, general lectures to all the students in the school. The regular courses provide for frequent lectures by men who, from their experience, are able to speak authoritatively upon the practical side of subjects under discussion.

CREDIT IN OTHER SCHOOLS OF THE UNIVERSITY

Upon fulfillment of entrance requirements and payment of matriculation fee, students in the School of Commerce may be entered as candidates for degrees in any School of the University. Upon vote of the Faculty of another School of the University, work in the School of Commerce may be credited toward fulfilling the requirements for a degree in that School if such work is along lines covered by the curriculum of the said School.

DAY WORK

It is not proposed to confine the work in commerce to students in evening courses. A large proportion of the subjects which should come within the scope of a day course in commerce are now offered at Evanston, in the College of Liberal Arts, as described on pages 84 to 86. It is anticipated that day work in business subjects will continue to be developed both in Chicago and in Evanston, and that students who enter college with the expectation of following a business career will be enabled to pursue a consecutive course of study. This arrangement, which permits the student to take his professional work in Chicago, offers advantages that will be readily appreciated.

CONSULAR SERVICE

The curriculum of the School of Commerce is not arranged specifically to meet the demands of consular examinations now in force, but individual courses offered in the School of Commerce, the College of Liberal Arts, and the Law School furnish the preparation required. A special course is contemplated for students who are preparing for the consular service.

GRADUATION AND DIPLOMA

The trustees of Northwestern University upon recommendation of the Faculty of the School of Commerce grant a diploma to students who have satisfactorily completed its prescribed courses.

DEGREE OF CERTIFIED PUBLIC ACCOUNTANT

By act of the General Assembly passed May 15, 1903, provision is made for a state examination for the degree of Certified Public Accountant. Before the School of Commerce was established, the Illinois Society of Certified Public Accountants had long contemplated founding a school in which the work necessary to prepare for this degree should be given. One of the results of commercial development during the last generation has been the growth in importance of the accounting profession. A knowledge of accounting is becoming almost indispensable to the successful conduct of every business. Business efficiency demands, moreover, that the professional accountant shall be a man of broad training and of recognized professional standing parallel to that of the lawyer and the physician. The close connection of the School of Commerce with the leading men of the profession will enable it

not only to meet the demands of the present law, but to set a high standard of professional training.

FEES AND EXPENSES

The tuition fees, per annum, in the School of Commerce will be as follows:

For full diploma course, four evenings of 2 hours each a week $75.00
For three subjects, three evenings a week 60.00
For two subjects, two evenings a week 45.00
For one subject, one evening a week 25.00

Tuition is divided into two equal installments, payable October 11, 1909, and February 14, 1910.

Students who become candidates for a diploma or a degree will be required to pay the matriculation fee of five dollars.

Address all correspondence to the Northwestern University School of Commerce, Lake and Dearborn Streets, Chicago.

The School of Oratory

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

Robert McLean Cumnock, L.H.D.
Director

Robert McLean Cumnock, L.H.D.
Instructor in the Laws of Vocal Expression and Dramatic Action

Agness Law
Instructor in Dramatic Expression and Action

James Lawrence Lardner, A.M.
Instructor in Dramatic Art and Presentation

Isabella Lovedale
Instructor in Voice Culture and Interpretation

Anna Gerls Pease
Instructor in English Literature and Rhetoric

Julia Beth Farrell
Instructor in Reading and Dramatic Training

Josephine Frances McGarry
Instructor in Orthoepy and Forensics

Laura Lee
Instructor in Physical Training

Margaret Grace Gilbert
Didactic Reading and Personation

The Northwestern University School of Oratory was organized in 1878 and occupies Annie May Swift Hall on the Campus at Evanston. It is under independent management, but is in close affiliation with the University. The regular course of study covers a period of two years, and offers extended and advanced training in Elocution, English, and Physical Training.

Students satisfactorily completing the regular course, and those completing the post-graduate course are awarded diplomas by the University.

Students in the College of Liberal Arts, by giving care to the selection of their course, may be enabled to graduate from the School of Oratory and from the College of Liberal Arts in five years. Some students, with industry and application, complete the combined course in four years.

The cost of instruction is fifty dollars a term, payable in advance. This fee entitles the student to two private lessons a week, in addition to the regular courses.

For information regarding the School of Oratory, address R. L. Cumnock, Annie May Swift Hall, Evanston, Illinois.

Preparatory Schools

Evanston Academy

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

Herbert Franklin Fisk, D.D., LL.D.
Principal Emeritus

Arthur Herbert Wilde, S.T.B., Ph.D.
Principal

Nathan Wilbur Helm, A.M.
Assistant Principal

Clara Grant, Ph.B.
Instructor in English

Carla Fern Sargent, A.M.
Instructor in History

Jane Neill Scott, A.M.
Instructor in Latin

Lewis Hart Weld, A.M.
Instructor in Biology

Raymond Royce Hitchcock, A.B.
Instrutor in Mathematics

Frances Christine Rawlins, A.B.
Instructor in English

Isaac Merton Cochran, A.M.
Instructor in English and Debating

Lloyd Clinton Holsinger, A.B.
Instructor in Mathematics

Florence Alberta Stockley, A.B.
Instructor in Latin

Louis Baker, A.M.
Instructor in German

George L. Furrey, Ph.B.
Instructor in Physics

Lebbeus Woods, B.S.
Instructor in Commercial Science

Lillie Ohrenstein, Ph.B.
Instructor in French and German

Minna Harter Elmquist, A.B.
Instructor in German

Elizabeth Secor
Instructor in Arithmetic

Cornelia Harkness
Instructor in English Grammar

Helen Church
Instructor in Stenography and Office Secretary

Evanston Academy is situated on the University campus direc ly on the lake shore, in Evanston, and occupies Fisk Hall, which wa erected in 1898. The special work of the school is to prepare studen for college and technical schools. Besides this special work a general ac demic education is offered to those who cannot take a regular course, b who wish to prepare themselves for the study of law or of medicine, or f teaching in the public schools, or for business.

As a member of the North Central Association of Colleges and Secon ary Schools, the Academy has accredited relations with all the leading colleg and universities of the middle west. It has established special accredite relations with Eastern universities that admit students by certificate.

The course of study extends through four years. Students who giv satisfactory evidence of having done thoroughly a part of the course befo entering are credited with that work. Students completing the course a admitted to the College of Liberal Atrs on certificate of the Principal. Th Academy provides instruction adequate for admission to college in th English, French, German, Spanish, Latin, and Greek languages, in mathe matics, science, history, and civics. It has an extensive manual trainin equipment and ample rooms completely furnished with apparatus for labo atory instruction in chemistry, mechanical and electrical physics, zoölog botany, and physiography. A new course of study preparing for busine or college includes the fundamental subjects of a college preparatory cours with others looking towards commerce. The latter subjects constitute abou one-third of the course, and are accepted by Northwestern Universit for admission to the College of Liberal Arts.

Hatfield House, the Academy dormitory for boys, is a comfortable well administered home for about twenty-five boys. The house maste who is a member of the Faculty, and a matron are in charge. The hous is modern in its equipment—heating, plumbing, filtered water, bathin facilities. Students coming to the Academy from a distance, not earnin their way nor residing with relatives, are required to live in the House.

Grand Prairie Seminary

Abram Winegardner Harris, Sc.D., LL.D.
President of the University

Henry Hoag Frost, A.B.
Principal

Don Cameron Allen, B.S., A.B.
Instructor in Science

Clara Urania Mills
Director of the Conservatory

Florence Victoria Wallace, B.S.
Preceptress, Instructor in English

John Christian Springman
Principal of the School of Commerce

Jessie Ota Talbert
Assistant in Commercial Branches

Caroline Isaacson, A.B.
Instructor in German and History

Joseph W. Green
Instructor in Pedagogy

Elizabeth Rainbow, A.B.
Instructor in Latin

Penelope Bowman, Ed.B., Ph.B
Instrutor in Domestic Science

Robert Blaine Shirk
Instructor in Oratory

Blanche Marie Davidson
Assistant Instructor in Oratory

Lenore Hoeft
Instructor in Voice Culture

Sarah Seabrook
Director of School of Art

Grand Prairie Seminary is a preparatory school founded in 1863 and affiliated with Northwestern University in 1901. It is well endowed and maintains a high standard of scholarship. It is situated in Onarga, Illinois, on the main line of the Illinois Central Railway, eighty-four miles south of Chicago. The town is an ideal place for a school, having no saloons, and the community is noted for its high moral tone. There is a Public Library, which is at the service of the members of the School.

The equipment of the Seminary consists of four buildings, a Recitation Hall for class instruction; an Auditorium for public exercises, musical, oratory, and art instruction; a Gymnasium and Domestic Science Hall; and a Woman's Dormitory and Boarding Hall. The school has a library of carefully chosen volumes of standard works of reference on science, history, biography, and literature. It has laboratory facilities for instruction in physics, zoölogy, botany,chemistry, and domestic science. The Seminary offers courses in the Academic Department, Normal Department, School of Business, School of Music, Department of Oratory, Art Department, School of Domestic Science and Economy, and Gymnasium.

Elgin Academy

Abram Winegardner Harris, Sc. D.,LL.D.
President of the University

George Newton Sleight, A.B., B.Pd.
Instructor in Greek; Principal

Florence Sarah Raymond, B.S.
Instructor in Mathematics

Harriett Kendall Burr, A.B.
Instructor in English

Arthur Lawrence Bakke, B.S.
Instructor in Physics, Chemistry, and Botany

John Ernest Alman, A.M.
Instructor in History

Arthur Nelson Julian, A.B.
Instructor in German

Stella Cecelia Treadwell, A.B.
Instructor in Latin

Pearl Alma Dunbar
Principal of the Preparatory Department

Oliver Joal Penrose
Director of the Commercial Department

Irene Electra Morgan
Instructor in Stenography and Typewriting

Helen Josephine Penrose
Instructor in English in the Night School

Anne Wallace Hunt
Instructor in Expression

Grace Margaret Raycroft
Secretary to the Principal

Elgin Academy was first opened to students in December, 1856, in a commodious building erected the previous year. Its charter, originally granted in 1839, was revised in 1855, and in this amended form is still in force. In 1903 it became an affiliated school of Northwestern University.

The Academy is situated in the most healthful part of the city of Elgin, a city of 28,000 inhabitants, on the Chicago, Milwaukee and St. Paul and the Chicago and Northwestern Railways, about forty miles from Chicago. The campus, covering an area of four acres, presents an attractive view. The main building for the regular academic work is an imposing three-story brick structure. It is heated by steam throughout, lighted by electricity, and has the city water on two floors. The rooms are large, airy, and well lighted.

A large three-story building of brick, erected in 1888 through the generosity of Mrs. Vincent S. Lovell, for manual training purposes, is now used for science work and is known as the Lovell Science Hall.

This Academy offers to young men and young women excellent opportunities for a scholarly and practical education. Students are prepared for the leading colleges or for business. The surroundings are those of refinement and of Christian living.

Garrett Biblical Institute

Charles Joseph Little, Ph.D., LL.D., S.T.D.
Professor of Historical Theology; President

Milton Spenser Terry, A.M., D.D., LL.D.
Professor of Christian Doctrine and Lecturer on Comparative Religion

Solon Cary Bronson, A.M., D.D.
Cornelia Miller Professor of Practical Theology; Secretary of the Faculty

*Charles Macaulay Stuart, A.M., D.D., Litt.D.
Professor of Sacred Rhetoric

Doremus Almy Hayes, Ph.D., S.T.D., LL.D.
Professor of New Testament Exegesis; Librarian

Frederick Carl Eiselen, Ph.D., D.D.
Professor of Semitic Languages and Old Testament Exegesis; Registrar

Robert McLean Cumnock, A.M., L.H.D.
Professor of Elocution and Oratory

John Jacob Rapp, A.B., B.D.
Instructor in Greek and Hebrew

James Lawrence Lardner, A.M.
Instructor in Elocution and Oratory

Walter Allen Stults
Instructor in Hymnology and Church Music

Cassius Marcius Wood
Assistant Librarian

Garrett Biblical Institute received its charter in 1855. It is situated in Evanston, upon the University campus. It was established especially as a theological seminary where young men from the Methodist Episcopal Church might be educated, but it is open to young men from any evangelical church who are properly recommended as candidates for the Christian ministry. It is supported by income from property in the city of Chicago, bequeathed in 1853 as a perpetual foundation by Mrs. Eliza Garrett.

Northwestern University has no theological school under its control, but from the beginning has recognized Garrett Biblical Institute as meeting the needs of a theological department. There is a liberal interchange of work between the College of Liberal Arts and the Institute. Students of

*Resigned March 1, 1909.

the Institute may, on recommendation of the Faculty, take work in the College of Liberal Arts, under the following conditions:

1. All courses in the University, will be open to the students of the Institute without cost, except as hereinafter provided.
2. No student will be recommended to the College of Liberal Arts unless he has been in residence one full year in the Institute, except in the case of modern languages, to which courses the recommendation may apply the first year.
3. No student will be recommended for admission to courses scheduling more than five semester hours.
4. Recommendations can be given only to regular students of the Institute; students in special courses and post-graduate students do not come within this rule.
5. All students entering the College of Liberal Arts from the Institute will be required to pay laboratory fees and fees of courses, which, under the rule of the College, require special fees.
6. All students registered in the Institute taking work in the College shall pay the fixed matriculation fee, viz. $5.00.
7. All students admitted to the College from the Institute shall, in all other respects than those herein set forth, be subject to the rules of the College of Liberal Arts.

The following courses in the Garrett Biblical Institute are open for College undergraduate credit, the total credit for an individual student being limited to thirty semester hours.

Junior Hebrew	4 hours
Middle Hebrew	3 hours
Senior Hebrew	variable
Assyrian	2 hours
Advanced Assyrian	1 hour
Junior Greek (N)	3 hours
Middle Greek (O)	3 hours
Senior Greek (P)	3 hours
History of the Christian Church (L)	3 hours
Christian Doctrine (Bible F)	3 hours

Courses of Study

The courses of study offered come under two headings, Degree Courses and Diploma Courses. Candidates for the degree of Bachelor of Divinity or for the diploma of the Institute must complete in residence at least one year of fifteen hours a week in three or more departments of the Institute, arranged with the approval of the Faculty. No credit is allowed for work done *in absentia* or by correspondence.

DEGREE COURSES

The Degree Courses are two: one leading to the degree of Bachelor of Divinity, the other to the degree of Doctor of Philosophy.

Bachelor of Divinity—The course for the degree of Bachelor of Divinity is a three years course arranged for classical graduates of approved colleges. Applicants, upon registration, are required to present their diplomas. Students, not graduates of colleges, may be admitted to this course, if, by examination or otherwise, they satisfy the Faculty of their classical and literary fitness to complete it.

Candidates for the degree of Bachelor of Divinity may elect Old Testament studies in English instead of work in Hebrew. In the senior year Elocution is the only required study.

Doctor of Philosophy—A resident course of study leading to the degree of Doctor of Philosophy is offered to college graduates under the regulations prescribed on page 126. Four years are required as a minimum for this degree; three at least must be spent in residence at a theological school of high standing, and the last two at Garrett Biblical Institute.

Master of Arts—Students in Garrett Biblical Institute pursuing the Bachelor of Divinity Course may become candidates for the Degree of Master of Arts in Northwestern University on the conditions set forth on pp. 125 and 126.

DIPLOMA COURSES

Students who complete one of the following courses of study, each of which requires three years, receive the diploma of the Institute.

The Greek and Hebrew Course—This course is intended for those who desire to read and understand the Scriptures in the original, but are not prepared for the Degree Course. Greek is taught during three years, beginning with the elements. Hebrew is taught during the second and third years, beginning with the elements. The Greek class in exegesis reads the Synoptic Gospels and the Acts in the senior year. The Hebrew class reads selections from the prophetic and poetical books of the Old Testament. In other departments this course is substantially the same as the Bachelor of Divinity Course.

The Greek and English Course—English exegesis is substituted for Hebrew in this course; it is in other respects the same as the Greek and Hebrew Course.

The English Course—Training in the English Language, in Rhetoric, Logic, and Psychology takes the place of the study of elementary Greek and Hebrew, and English exegesis of the Scriptures is given instead of the study of the prophetic and poetical books in Hebrew and of the Synoptic Gospels and Acts in Greek. In Systematic, Historical, and Practical Theology, Elocution, and Sociology, the studies of the English Course are the same as in the other diploma courses.

Departments of Instruction

CHRISTIAN DOCTRINE

1. The Theology of the Old and New Testaments.
2. The Doctrines of the Christian Religion.
3. Apologetics.
4. Comparative Religion.

CHURCH HISTORY

1. General Survey of the History of the Christian Church.
2. The History of the Apostolic Church.
3. The History of the Medieval Church and of the Reformation.
4. The History of Methodism in America.
5. The History of Doctrine.

ELOCUTION

1. Principles of Vocal Expression.
2. Delivery of Orations, Addresses, and Sermons.
3. Reading of the Bible, Hymn Book, and Liturgy.

HYMNOLOGY AND CHURCH MUSIC

1. Studies in Hymnology.
2. The Principles of Reading Music at Sight and Choral Sight Singing.

NEW TESTAMENT EXEGESIS

1. Greek, the Language of the New Testament.
2. General and Special Introduction of the New Testament.
3. Exegetical and Critical Study of various portions of the New Testament.
   (a) The Historical Books.
   (b) The Pauline Epistles.
   (c) The Epistle to the Hebrews.
   (d) The Catholic Epistles.

OLD TESTAMENT EXEGESIS

1. Hebrew, the language of the Old Testament.
2. Other Semitic Languages.
3. The History of the Hebrews.
4. The Religion of the Hebrews.
5. Exegetical and critical study of select portions of the Old Testament.

PRACTICAL THEOLOGY

1. The Organization and Administration of the Local Church.
2. Religious Education.
3. Evangelism.
4. Missions.
5. Christian Sociology.

SACRED RHETORIC

1. The History of Preaching.
2. Sermon Analysis and Construction.
3. The Masters of Modern English Prose and Poetry.
4. Argumentation and Debate.

General Statements

CONDITIONS OF ADMISSION

Those who enter should have a thorough preparation. This can be obtained to advantage in the College of Liberal Arts. Graduates of approved colleges are admitted to the degree courses upon presentation of diplomas. Students not graduates of colleges are admitted by examination in classical and literary subjects. Applicants for admission to Diploma Courses must present certificates from approved high schools or academies, or pass an examination in the studies prescribed by the Bishops of the Methodist Episcopal Church for admission to an annual conference.

Applicants not licensed to preach are received on the recommendation of their respective quarterly conferences, or temporarily, on a note from their pastors, promising the recommendation in due time. The form of recommendation authorized by the General Conference of the Methodist Episcopal Church is as follows:

We, the members of the Quarterly Conference of ..... hereby express our judgment that ..... is called of God to the work of the ministry, and we recommend him to the care and instruction of Garrett Biblical Institute.

Applicants from other churches are admitted on such certificates as are usually given by the denominations to which they belong. Students from other theological seminaries may be admitted on presenting satisfactory testimonials of equivalent work and honorable dismissal.

METHODS OF INSTRUCTION

The methods of instruction include recitations, lectures, and free discussion.

Public lectures and addresses, covering all the topics that relate to the work of Christian scholars and pastors, are given from time to time by distinguished persons before the Faculty and students.

College graduates enjoy exceptional advantages. In several departments, conspicuously in the Exegetical and Historical, they are formed into separate classes. They are encouraged and helped to make special investigation, and they receive from their professors continued personal attention in their chosen line of study.

STUDENT SOCIETIES

During the year 1898, a Young Men's Christian Association affiliated with the World's Christian Student Federation was organized. The Literary Department aims to stimulate theological and literary studies by exercises in composition, criticism, and extemporaneous speaking. The Missionary Department furnishes information on Home and Foreign Missions, and keeps alive the missionary spirit among the students by weekly meetings and by occasional public meetings and lectures.

BUILDINGS AND EQUIPMENT

Libraries—The number of volumes in the Institute and University Libraries is about eighty-five thousand. Reading-rooms are connected with both libraries, and are supplied with the important dailies, weeklies, monthlies, and quarterlies, in general and theological literature.

Memorial Hall—Memorial Hall contains a large chapel, a library and reading-room, six lecture-rooms, with private rooms for professors, and a fire-proof addition for library and museum purposes.

Heck Hall—In Heck Hall, the dormitory, the rooms are in suites, consisting of study, bed-room, and wardrobe, and are furnished with tables, book-cases, bureaus, stands, chairs, bedsteads, and mattresses. Students supply the other furnishings.

FELLOWSHIPS AND SCHOLARSHIPS

Fellowships—The Faculty has recommended to the Trustees the founding of a Fellowship for post-graduate study abroad or at home. The Fellowship is to be awarded to those graduates of future classes who excel sufficiently in ability and attainments to warrant the devotion of their lives to special studies in Theology. The amount of the Fellowship will be $500.

The Wetherell Scholarship, the gift of Mr. S. N. Wetherell, of Crown Point, Indiana, yielding an income of about $50.00 a year, is awarded annually to a student recommended by the Faculty.

The Luke Hitchcock Scholarship was provided by Mrs. E. Crane Wilson, Mrs. Charles H. Fowler, and Mrs. Archer Brown, as a memorial to their father, the Rev. Luke Hitchcock, for many years a trustee of Garrett Biblical Institute. The annual income of $100.00 may be awarded by the President of the Institute to a student who is working in one of the City Missions in Chicago.

EXPENSES

Young men who have learned to earn and save money often work their way unaided through college and the theological school. The means of self-help in and around Evanston are excellent, and many earnest and persevering students, with tact and helpfulness, find, and even create, opportunities. Some sixty or seventy appointments for preaching have been made available to competent preachers among the students. Circumstances require that promises of aid shall be made with caution, and to the extent only of the ability to meet them. The institution covets consecrated young men who never quail in the presence of difficulties and its aim is to aid them in every useful way. The Board of Education of the Methodist Episcopal Church renders efficient help by loans. The Sarah Stewart Fund, yielding four hundred dollars a year, is for the benefit of approved candidates for missionary fields.

Tuition and rooms are free to regular theological students. Each student occupying a room in Heck Hall is charged an incidental fee of twenty dollars a year, payable half-yearly in advance, for curator's service, fuel for public rooms, and general repairs. Other students pay, half-yearly in advance, a fee of five dollars a year.

For further information regarding Garrett Biblical Institute, address the Registrar, Memorial Hall, Evanston, Illinois.

Norwegian-Danish Theological School

Nels Edward Simonsen, A.M., D.D.
President

John Oscar Hall, A.M.
Professor

Tobias Foss, A.M.
Professor

The Norwegian-Danish Theological School, established to prepare men for the ministry among the Norwegian-Danish people, offers an opportunity to pursue theological studies in the English and Norwegian-Danish languages. Students are received on the recommendation of their conferences. A commodious and substantial building, containing dormitories and a dining-hall, has been erected by the Norwegian and Danish people for the use of students of the School.

The course of study extends through three years. Oral and written examinations are held at the close of each year, and those who complete the entire course in the Norwegian-Danish language are granted a certificate.

A close relation exists between Garrett Biblical Institute and the Norwegian-Danish Theological School. By an arrangement formally entered into, the students of the latter school may take the entire course of study of the Institute, substituting instruction in one or more branches in their own tongue. Upon the satisfactory completion of the course thus pursued, they are graduated from Garrett Biblical Institute.

For further information address the President, Norwegian-Danish Theological School, Evanston, Illinois.

Swedish Theological Seminary

Carl Gideon Wallenius
President.

Albert Ericson, D.D.
Lecturer in Homiletics

John Emanuel Hillberg
Instructor in Swedish Grammar and Literature, General History and Geography, and History of Religion

Carl Gideon Wallenius
Instructor in Systematic Theology, Church History, Pastoral Theology, and Psychology

The Swedish Theological Seminary began its work in 1870 at Galesburg, Illinois. In 1881 it was moved to its present permanent home in Evanston. It is now established in a substantial and commodious building on its own campus fronting on Orrington Avenue. Its students are admitted to all the advantages of the departments of the University. It is under the supervision of the five Swedish Conferences in the United States of the Methodist Episcopal Church, and is the only school of its kind in that Church.

The aim of the School is to do practical work in helping young men toward success in the ministry. It was called into existence to meet the urgent and increasing demand for educated pastors and missionaries among the Swedish people in the United States.

The Seminary is supported by the income from an educational fund, collected mainly among the Swedish Methodist churches in the country.

The regular course of study in the Seminary is broad and practical and requires four years. Progress in studies is determined by examination, written and oral. On the satisfactory completion of the full course of study, students receive the Seminary diploma. There is no charge for tuition.

The continued demand for preachers among the Swedish people in this country makes it an imperative duty for the Church to maintain a special institution of learning, where suitable men can be educated for the Swedish ministry, both for the regular pastorate and as missionaries to the multitude of Swedes scattered all over the country.

Students are received on the recommendation of their Quarterly Conferences.

For further information address the President, Swedish Theological Seminary, Evanston, Illinois.

Prizes and Honors 1908-1909

University

Gage Prize—for excellence in debate: Daniel Anderson, Benjamin Epstein, Rhys Price Jones, Glenn Newton Merry, Charles Hamilton Watson, Charles Conner Wells.

Kirk Prize—for excellence in oratory: James Harold Gilson, Ralph Reynaud Hawxhurst, George Frederick Falley, Eston Valentine Tubbs.

College of Liberal Arts

Sargent Prize—for excellence in declamation: Blaine Kirkpatrick, Percival Howson Barker.

Harris Prize—in Political and Social Science: George Frederick Falley and May Wood Simons.

Orrington Lunt Prize—for essay writing: Lillian Gertrude Huggett.

Medical School

Honorable Mention: John Ten Broeck Bird, Oscar Brunk Funkhouser, Noah Robert Harlan, Clarence Roy Openshaw.

INTERNESHIPS

Cook County Hospital—Oscar Brunk Funkhouser, Clarence Roy Openshaw, Isadore Michael Trace, Benjamin Newton Wade, Flint Bondurant, William O'Keefe Copps, Dale Martin, Roy Edgar Barrows, Simon Wenzel Melzer, Casper Whittle Pond, Frederick Cornelius Nilsson, Roscoe Samuel VanPelt.

Mercy Hospital—Edwin Everett Bond, Wilho Arvid Groenlund, Frank Miller Trimmer, M. Edward Healy, Philip Heinrich Kreuscher, Matthew Joseph Fitzpatrick, Adeeb Ibrahim Ghabriel, Meville George Danskin.

Wesley Hospital—William Leander McClure, Emery Ernest Magee, Ben Garfield Budge, John Ladislaus Canavan, William Simon Crowley.

Michael Reese Hospital—Harold Eldred Jones, Walter Anthony Stuhr, Edmund Herman Mensing.

St. Luke's Hospital—Isaac Wellman Leighton, George Walter Cronett, Walter Higgs, Arthur Blaise Supple, Elmer Edwin Nystrom, August Edward Gerhardt, Andrew Joseph Devany.

Ravenswood Hospital—Harry R. McGee.

Chicago Baptist Hospital—Henry Bardwell Donaldson, Reid Owen Howser.

Provident Hospital—Abraham Max Oberman, Frank Fillion Trombly, Anderson William Cheatham.

Englewood Hospital—Henry William Kern.

People's Hospital—Chester Conyers, Waldo Clay Farnham, Milton Arthur Nix, Harvey Porter Volin.

Passavant Memorial Hospital—James Harold McClanahan.

South Chicago Hospital—Daniel Dailey Jones.

German Hospital—Arthur Christian Slinde, Lester Harper Hills.

St. Bernard's Hospital Dieu—James Henry Moran, Walter Wallace McCabe, Harry James Relihan, Thomas Goodell Charles.

St. Elizabeth's Hospital—Arnold Charles Blattspieler, Samuel Herbert Richman.

Columbus Hospital—Edmund Adelbert Behrendt, Frank Thomas McGuinn.

Grace Hospital—Benjamin Charles Hamilton, Jr.

St. Joseph's Hospital—John William Ovitz.

Evangelical Deaconess Hospital—Charles Logan Closson.

Washington Park Hospital—Joseph Emanuel Larson.

Abraham Lincoln Hospital—Harry Bernard Bernhardt.

Oak Park Hospital, Oak Park, Illinois—George Archibald Hutchinson.

Seattle General Hospital, Seattle, Washington—Edward Calder Heston.

St. Mary's Hospital, Milwaukee, Wisconsin—Harold Manlove Camp, Samuel Goodall Panter, Jr.

Passavant Hospital, Milwaukee, Wisconsin—Louis Augustus Fuerstenau, Herbert Lewis Williams, John Mills Minter.

Milwaukee County Hospital, Wauwatosa, Wisconsin—George Hermann Simon, Conrad A. Neumann.

St. Margaret's Hospital, Hammond, Indiana—Stanley Lee Brown, William Thomas Collins.

Sacred Heart Hospital, Eau Claire, Wisconsin—Royal Glenwood Anspach, Raymond Walter Furman.

St. Elizabeth's Hospital, Danville, Illinois—Ralph A. Claridge.

German Hospital, San Francisco, California—Anderson Eddie McDowell, Niel Jorgensen.

Mercy Hospital, Denver, Colorado—Hayes William Carlin.

St. Joseph's Hospital, St. Joseph, Missouri—Charles Stephen Hickman, Edward Walsh Lyons.

Hackley Hospital, Muskegon, Michigan—Gilbert Haven Ayling.

Pittsburg Hospital, Pittsburg, Pennsylvania—Eugene Laurence Hartigan.

St. Francis Hospital, Wichita, Kansas—Ernest Morris Seydell.

Freeport Hospital, Freeport, Illinois—Noah Robert Harlan.

St. Mary's Hospital, Duluth, Minnesota—Francis John Lepak.

City and County Hospital, San Francisco, California—Bert Anderson Dannenberg.

Budge and Budge Hospital, Logan, Utah—Edwin Stratford Budge.

Toledo Hospital, Toledo, Ohio—Clyde Edward Prudden.

Deaconess Hospital, Spokane, Washington—Charles Jones Welker
Iowa Methodist Hospital, Des Moines, Iowa—Hugh Harrison Linn.
Rockford City Hospital, Rockford, Illinois—Harry William Ackermann.

Law School

The Callaghan Prize—for the best scholarship throughout the course: Elmer Martin Liessmann.
Henry Sargent Towle Prizes: not awarded.
McChesney Prizes: not awarded.
Follansbee Prize: not awarded.
Hyde Prize: not awarded.

School of Pharmacy

Honorable Mention: Matthew Marion Finlay, St. Clair Madden.

School of Commerce

Honorable Mention: Wille Alvin Forward, Carl August Gaensslen, Joseph Henry Gilby, Joseph Sebastian Kelly, Levering Moore.
Hart Schaffner and Marx Prize—for the best record in examinations in three courses: Wille Alvin Forward.

Phi Beta Kappa

MEMBERS INITIATED JUNE, 1909

Belle Alling Raddin, 1888

Clara Belle Baker
Gertrude Becker
Estelle Osborn Clark
John Smith Culbertson
George Oliver Curme, Jr.
Mabel Dillon
George Frederick Falley
Pearl Stuart Greene
Frances Pearl Greenough
Marie Madeleine Haefliger
Sarah Elizabeth Haines
Claude William Heaps
Chauncey Goodrich Hobart
Marien Musgrave Keyes
James Henry MacDonald
Kathryn Wilmot McGovern
Margaret MacGregor
Mary Mauel
Ellen Pearl Montague
John Hiram Norris
Emily Schaff
Florence Lillian Smith
Abby Louise Tallmadge
Charles Conner Wells
William Charles Wermuth
Esther Lucy White

Sigma Xi

MEMBERS ELECTED DECEMBER, 1908

Justus Henry Cline
William Hawes Coghill
Claude William Heaps
Lloyd Clinton Holsinger
Clyde Orlando Marietta
Robert Lee Moore

MEMBERS ELECTED APRIL, 1909

Effie Virginia Fixen
Cora Guthier
Enid Hennessey
Louis Ernest Hildebrand
George Rogers Mansfield

Alpha Omega Alpha

MEMBERS ELECTED 1909

Emil Lawrence Bernard
Flint Bondurant
Ben Garfield Budge
Melville George Danskin
Aurel Goodwin
Walter Higgs
Harold Eldred Jones
Simon Wenzel Melzer
Clarence Roy Openshaw
Ernest Morris Seydell
Arthur Blaise Supple
Herman Hendrickson
Joseph Emil Huber
Jesse Samuel Lancaster
Carl Wesley Maynard
Arthur Leo Weber

Order of the Coif

Harry McClure Johnson
Mont Griffith Lockart
Ernest Palmer
Edward Leslie Spaulding
Oscar D. Stern
Charles Alonzo Treadwell
Walter Bertram Wolf

Alumni Associations

College of Liberal Arts

John Austin Bellows, 1892, President
Kenilworth, Illinois

Edward Brown Witwer, 1895, Vice-President
126 South Seeley Avenue, Chicago

John Charles Burg, 1909, Recording Secretary
87 Lake Street, Chicago

Clarence Job Luther, 1904, Corresponding Secretary
1317 Elmwood Avenue, Evanston, Illinois

Merritt Caldwell Bragdon, 1870, Treasurer
1709 Chicago Avenue, Evanston, Illinois

DIRECTORS

Term Expires 1910

James Franklin Oates, 1893
John Lewis Alabaster, 1892
Frank Macajah Elliot, 1877
Frank Alvin Nagley, 1907

Term Expires 1911

Frank Elmer Lord, 1883
John Austin Bellows, 1892
Edward Brown Witwer, 1895
Frank Ohr Potter, 1908

Term Expires 1912

William Arthur Burch, 1890
Chester Bentley Masslich, 1894
Charles William Spofford, 1896
John Charles Burg, 1909

Medical School

Winfield Scott Harpole, 1897, President
103 State Street, Chicago

Wilfred D. Robbins, 1894, First Vice-President
Chicago Heights, Illinois

Oscar B. Funkhouser, 1909, Second Vice-President
Cook County Hospital, Chicago

Allen Buckner Kanavel, 1899, Secretary
103 State Street, Chicago

William Alfred Mann, 1883, Treasurer
70 State Street, Chicago

Otto Steve Pavlik, 1904, Necrologist
3147 Carlisle Place, Chicago

Law School

Frank J. Loesch, 1874, President
184 La Salle Street, Chicago
John H. Herrick, 1868, First Vice-President
Commercial National Bank Building, Chicago
William P. Sidley, 1891, Second Vice-President
Tacoma Building, Chicago
Roswell Bertram Mason, 1897, Third Vice-President
Marquette Building, Chicago
Frederic Burnham, 1905, Secretary
Criminal Court Building, Chicago
Samuel E. Knecht, 1891, Treasurer
State Bank of Chicago, Chicago

School of Pharmacy

Charles A. Storer, 1888, President
Rush and Ohio Streets, Chicago
Ralph Haney Smith, 1894, First Vice-President
56 Fifth Avenue, Chicago
Matthew M. Finlay, 1909, Second Vice-President
Bowen, Illinois
Fred H. Elsner, 1899, Third Vice-President
56 Fifth Avenue, Chicago
George Daniel Oglesby, 1891, Secretary
31st Street and Indiana Avenue, Chicago
Henry F. Schapner, 1895, Treasurer
136 West North Avenue, Chicago

TRUSTEES

George C. Hansen, 1906
John E. Marbach, 1896
Thomas V. Wooten, 1899

Dental School

James Herbert Calder, 1899, President
Cedar Rapids, Iowa
James Rowland Laughlin, 1904, First Vice-President
4305 Forrestville Avenue, Chicago
James Perrie Smith, 1904, Second Vice-President
63rd Street and Stewart Avenue, Chicago
Chester Will Hoover, 1908, Secretary
92 State Street, Chicago

Percy Benjamin DeWitt Idler, 1900, Treasurer
4301 Ellis Avenue, Chicago

EXECUTIVE BOARD

Arthur Davenport Black, 1900
Charles A. Young, 1898
John Abbott Dinwiddie, 1896

Woman's Medical School

Eliza H. Root, 1882, President
489 West Monroe Street, Chicago
Julia D. Merrill, 1895, First Vice-President
683 North Robey Street, Chicago
Emma Catherine Hackett, 1900, Second Vice-President
Hull House, Chicago
Anna Ross Lapham, 1898, Secretary
260 Bowen Avenue, Chicago
Mary Caroline Hollister, 1882, Treasurer
31 Washington Street, Chicago

School of Oratory

Agness Law, 1896, President
628 Foster Street, Evanston
Mrs. Addie M. Grigg, 1889, First Vice-President
Los Angeles, California
Mrs Kate M. McCluskey, 1895, Second Vice-President
2315 Sherman Avenue, Evanston
Ralph Brownell Dennis, 1899, Third Vice-President
Traer, Iowa
James L. Lardner, 1900, Secretary and Treasurer
720 Clark Street, Evanston
Josephine F. McGarry, 1902, Annalist
5452 Magnolia Avenue, Chicago

Northwestern Club of New England

George Benjamin Woods, 1903, President
38 Gorham Street, Cambridge, Massachusetts
Percy Ernest Thomas, 1900, Vice-President
Somerville, Massachusetts
Shelby Millard Harrison, 1906, Secretary and Treasurer
127 Newbury Street, Boston, Massachusetts

Northwestern Club of Washington, D. C.

Isaac Reynolds Hitt, 1888, President
1334 Columbus Road, Washington, D. C.
Harrison Eastman Patten, 1894, Secretary and Treasurer
1342 Girard Street, N.W., Washington, D. C.

Northwestern Club of New York

George Mooney, 1894, President
14 Prospect Street, South Orange, New Jersey
Maude Willis, 1894, Vice-President
215 West 116th Street, New York City
Arlo A. Brown, 1903, Secretary
57 Mount Hope Place, New York City
Charles Harvey Fahs, 1898, Treasurer
Madison, New Jersey

Northwestern Club of St. Louis

Milton Frye, 1903, President
McKinley High School, St Louis
C. Porter Johnson, Vice-President
Times Building, St. Louis
Stephen P. Hart, 1902, Secretary
Robbins Lane and Washington Avenue, St. Louis
E. Rollin Barnes, 1893, Treasurer
4049 Botanical Avenue, St. Louis

Northwestern Club of Spokane

Hugo Edmund Oswald, 1899, President
415 Fernwell Block, Spokane
John G. Byrne, 1894, Vice-President
Peyton Block, Spokane
Gladys Arnold, Secretary
Carnegie Library, Spokane
Rex Weeks, Treasurer
Washington Title Company, Spokane

Northwestern Club of Seattle, Washington

Warren Danforth Lane, 1896, President
711 White Building, Seattle, Washington

William Bernard Power, 1907, First Vice-President
1154 Empire Building, Seattle, Washington
John C. Sundberg, 1874, Second Vice-President
311 Eitel Building, Seattle, Washington
Eugene Whiteman Bell, 1903, Secretary and Treasurer
740 New York Block, Seattle, Washington

Northwestern Club of the Missouri Valley

Arthur E. Hertzler, 1892, President
402 Argyle Building, Kansas City
Avis Elida Smith, 1883, Vice-President
Journal Building, Kansas City
Elmer Davis Twyman, 1907, Secretary-Treasurer
402 Argyle Building, Kansas City

EXECUTIVE COMMITTEE

Herbert Perry Wright, 1887
Maggie Letitia McCrea, 1891
Claudius Buchanan Spencer, 1881

Northwestern Club of Oklahoma

Arthur A. West, 1905, President
Guthrie, Oklahoma
David H. Patton, 1867, Vice-President
Woodward, Oklahoma
James Robert Hamilton, 1890, Secretary and Treasurer
1615 Ellison Avenue, Oklahoma City, Oklahoma

Northwestern Club of Iowa

H. H. Clark, 1870, President
McGregor, Iowa
Guy T. McCauliff, 1902, Secretary and Treasurer
Webster City, Iowa

Northwestern Club of California

Arthur H. Briggs, 1881, President
Los Gatos
Albert G. Morse, 1900, Vice-President
Pacific Grove

Henry B. Carey, 1905, Secretary
San Francisco
George A. Wood, 1905, Treasurer
1458 Sutter Street, San Francisco

Northwestern Club of Southern California

Charles Cushman Bragdon, 1865, President
75 North Grand Avenue, Pasadena
Milbank Johnson, 1893, Vice-President
Wright and Callender Building, Los Angeles
Elsie Vanderpool, Secretary
1013 West 36th Place, Los Angeles
Robert J. Coyne, Treasurer
Inglewood

Alumni Association of Northwestern University and Garrett Biblical Institute for Southern Asia

Frank W. Warne, President
Lucknow, India
Harvey Reeves Calkins, Vice-President
Cawnpore, India
Benjamin Russell Barber, Secretary-Treasurer
Calcutta, India

University Societies

Y. M. C. A.—College of Liberal Arts

Roy Charles Jacobson, President
Jesse Irving Marsh, Vice-President
William Anson Spencer, Secretary
Robert Gregory Piper, Treasurer
Herbert Wright Gates, A.M., General Secretary

Y. W. C. A.—College of Liberal Arts

Melissa Elmore Foster, President
Marcia Johnson, Vice-President
Amy Cowley, Secretary
Julia Ellen Norton, Treasurer
Elizabeth Freeman Fox, General Secretary

Y. M. C. A.—Medical School

Henry Jacob Friesen, President
Frederick Willard Brian, Vice-President
Eliphalet Thierer Patee, Recording Secretary
William D. Flack, Treasurer
Clarence Cowles, General Secretary

Y. M. C. A.—Schools of Law, Pharmacy, and Dentistry

Henry Claude Holmes, President
Walter Guy Howe, Treasurer
Lucius Clark Hollister, A.B., General Secretary

Chicago Astronomical Society

Elias Colbert, A.M., President
Abram Winegardner Harris, Sc.D., LL.D., Vice-President
Charles H. Taylor, Secretary
James Bartlett Hobbs, Treasurer

LIFE DIRECTORS

Frank Sturges
C. H. S. Mixer
W. W. Farnum
James Bartlett Hobbs
Elias Colbert
Henry C. Ranney

ELECTED DIRECTORS

C. F. W. Junge
R. L. Davis
Philip Fox
Murry Nelson
J. S. Pierronet
Charles H. Taylor
Abram W. Harris
Henry Crew
E. W. Blatchford

Northwestern University Settlement Association

Towner K. Webster, President
Charles M. Stuart, First Vice-President
Henry B. Favill, Second Vice-President
Harriet E. Vittum, Secretary pro tem
Norman W. Harris, Treasurer

University Guild

Mrs. James A. Patten, President
Mrs. C. B. Congdon, First Vice-President
Mrs. John C. Spry, Second Vice-President
Mrs. William F. McDowell, Third Vice-President
Mrs. Perkins B. Bass, Recording Secretary
Mrs. John M. Glenn, Corresponding Secretary
Mrs. William A. Dyche, Treasurer

Phi Beta Kappa

Arthur Herbert Wilde, President
Arthur Guy Terry, 1901, Vice-President
Edna Bronson Campbell, 1902, Recording Secretary
Roy Caston Flickinger, 1899, Corresponding Secretary
George Peck Merrick, 1884, Treasurer

Sigma Xi

Theodore Whittelsey, President
Winfield Scott Hall, Vice-President
Eugene Howard Harper, Recording Secretary
Olin Hanson Basquin, Corresponding Secretary
James Caddell Morehead, Treasurer

Alpha Omega Alpha

Clifford Grosselle Grullee, 1903, President
Luther James Osgood, 1903, Secretary-Treasurer

The Chicago North Shore Festival Association

OFFICERS

William F. Hypes, President
Chancellor Jenks, Vice-President
Frank S. Shaw, Vice-President
John H. Hilton, Secretary
John R. Lindgren, Treasurer
Carl D. Kinsey, Business Manager

EXECUTIVE COMMITTEE

M. Cochrane Armour
Daniel H. Burnham
Abram W. Harris
C. William Spofford
Frederick P. Vose
Harry B. Wyeth

TRUSTEES

The above and

Frank H. Armstrong
Merritt C. Bragdon
Mrs. H. D. Cable
Charles B. Congdon
William A. Dyche
Frank M. Elliot
Mrs. Frank M. Elliot
Thomas L. Fansler
Frank W. Gerould
Richard C. Hall
Irving Hamlin
William Hudson Harper
Charles M. Howe
Mrs. William F. Hypes
Arthur B. Jones
Rollin A. Keyes
Frank C. Letts
Mrs. John R. Lindgren
Peter C. Lutkin
John N. Mills
James A. Patten
Mrs. James A. Patten
Joseph E. Paden
Irwin Rew
Mrs. C. L. Woodyatt

Register of Students

College of Liberal Arts

LIST OF STUDENTS OF THE ACADEMIC YEAR 1908-1909 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

RESIDENT GRADUATE STUDENTS

Boot, George William, Zoölogy.....Evanston
M. D. University of Pennsylvania 1898
Crawford, Douglas Gordon.....Lake Forest
Williams College
Gethmann, Walter Wesley, Philosophy.....Reinbeck, Iowa
A. B. Charles City College 1906
Green, Albert Baker, History.....Evanston
A. B. Northwestern University 1908
Kennedy, Burt, Geology.....Evanston
A. B. Simpson College
Little, Edith R., French.....Evanston
A. B. Wells College
Little, Helen Marina, French.....Evanston
A. B. Woman's College
O'Farrell, Thomas Arch, Philosophy.....Pana
A. B. Northwestern University 1908

NON-RESIDENT GRADUATE STUDENTS

Crown, Frank Anton, Biblical Literature.....North Prairie, Wis.
A.B. Lawrence University, 1905
Cady, Gilbert Haven, Geology.....Winfield, Kan.
A.B. Northwestern University, 1905
Reecher, Samuel.....Sparta
A.B. Northwestern University, 1907
Simpson, Vera Pearl, English.....McPherson, Kan.
B.L. Baker University, 1907

CANDIDATES FOR A BACHELOR'S DEGREE

Atwell, Francis Charles.....Evanston
Boyers, Luther Musson.....Decatur, Ind.
Clancy, Edwin Joseph.....West Chicago
Crook, Jennie.....Chicago
Fogas, Alice Black.....Mt. Vernon, Ind.
Garnett, Joseph Blythe....La Crosse, Wis.
Harker, Ralph Wackerle.....Jacksonville
Hillman, Miriam.....Evanston
Jacobsen, Inger Amala.....Chicago
Jacobson, Holger Oliver.....Racine, Wis.
Kipfer, Mabelle Janette.....Chicago
Layton, Marjorie Evans.....Evanston
LeBaron, Paul K.....Evanston
Luther, Eugene Adam.....Walnut
Moore, Lawrence Webster.....Chicago
McGrew, Lois Axtell.....Chicago
Markley, Meta G.....Chicago
Michelet, Gertrude Evelyn.....Wilmette
Patton, Ambler Baxter.....Chicago
Pease, Halley Anna.....Chicago
Powell, Alexander James.....Fairbury
Rollo, Thomas Rice.....Chicago
Stevens ,Clara Anna.....Austin
Whiting, Bruce Ingalls.....Evanston
Whitman, Judd Newton..Devil's Lake, N. D.
Zukerman, William.....Chicago

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Bendix, Adeline Bertha.....Chicago
Clark, Florence.....Evanston
Fulcher, Eleanor.....Evanston
Shafer, Stella.....Melvin
Stevens, Leo.....Ann Arbor, Mich.
Underwood, Georgea L.....Highland Park
Vorsheim, Henry G.....Chicago
Wallis, Helen Augusta.....Maryville, Mo.

EXTENSION COURSES

Barr, Agnes Paterson.....Evanston
Campbell, Iva Rachel.....Chicago
Hays, Catherine.....Chicago
Hays, Mary E.....Chicago
Mosman, Lucy Virginia.....Evanston
Perry, Effie Louise.....Chicago
Sims, Frederick Leon.....Kenilworth
Stewart, Frances Elizabeth.....Chicago
Strahler, Milton Webster.....Des Plaines
Teeter, Robert Waldron.....Berwyn

LAW STUDENT REGISTERED IN COLLEGE

Wittmeyer, Gustave.....Chicago

SCHOOL OF MUSIC STUDENTS REGISTERED IN COLLEGE

Foote, Sheldon B.....Parkersburg, Iowa
Hamill, Hazel Dorcas.....Guthrie, Okla.
Maxheimer, William Albert.....Mt. Pulask
Swenson, Grace.....Chicago

ACADEMY STUDENTS REGISTERED IN COLLEGE

Clafford, Harry J.....Chicago

REGISTER OF STUDENTS 1909-1910

FELLOWS

Bachmann, John Herbert, German.....Moundridge, Kan.
A.B. Kansas University 1909
Baker, Ruth, German.....Greencastle, Ind.
Ph.B. DePauw University 1904
Becker, Agnes Elisabeth, History.....Rogers Park
A.B. Northwestern University 1909
Biddle, Bruce Sankey, Psychology.....Jersey City, N. J.
A.B. New York University 1909
Brink, Roscoe William, English Literature.....Brooklyn, N. Y.
A.B. Amherst College 1909
Crawford, Douglas Gordon, English Literature.....Evanston
A.B. Williams College 1904
Guthier, Cora, Mathematics.....Chicago
A.B. Northwestern University 1909
Redelings, Leslie Hall, Zoölogy.....Marinette, Wis.
B.S. Northwestern University 1909
Smith, Eli Victor, Zoölogy.....Evanston
Ph.B. Illinois Wesleyan University 1907, A.M. University of Washington 1909
Yeaton, Walter James, Geology.....Livingston, Mont.
A.B. University of Minnesota 1909

RESIDENT GRADUATE STUDENTS

Anderson, Jennie Matilda, History.....Evanston
Ph.B. Northwestern University 1902
Arnold, Minnie Mars, History.....Chicago
Ph.B. University of Chicago 1909

Arthur, William Reed, Law.....Chicago
A.B. Washburn College 1899

Baker, Clara Belle, English Language.....Evanston
A.B. Northwestern University 1909

Baker, Margaret, German.....Evanston
B.S. University of Chicago 1898, M.S. 1902

Becker, Gertrude, Latin.....Chicago
A.B. Northwestern University 1909

Boot, George W., Zoölogy.....Evanston
M.D. University of Pennsylvania 1898

Boring, Ruth Mary, History.....Chicago
A.B. Northwestern University 1906; M.A. 1908

Burg, John Charles, Economics.....Evanston
B.S. Northwestern University 1909

Cannon, Lucile Follett, Greek.....Oak Park
A.B. Northwestern University 1906

Carter, Allan John, Economics.....Evanston
A.B. University of Illinois 1906

Chapin, Marietta Pearsons.....Evanston
A.B. Vassar College 1897

Church, Ralph Edwin, Law.....Catlin
A.B. University of Michigan 1907, A.M. Northwestern University 1909

Clark, Estelle Osborn, Romance Languages.....Highland Park
A.B. Northwestern University 1909

Cline, Justus Henry, Geology.....Bridgewater, Va.
A.B. Bridgewater College 1899

Curme, Gertrude, English Literature.....Evanston
B.S. Northwestern University 1908

Davidson, Marie Dorothy, History.....Chicago
A.B. Northwestern University 1909

DeLany, Clarence Martin, Law.....Chicago
A.B. University of Illinois 1909

DeLeon, J. Velaques, Jr., Pathology.....Chicago
A.B. University of Missouri 1909

Dolan, Mary Elizabeth.....Chicago
A.B. Northwestern University 1907

Fast, Arthur Herman, History.....Baldwin, Kan.
A.B. Baker University 1909

Furrey, George Washington, Physics.....Evanston
Ph.B. University of Michigan 1899

Gethmann, Walter Wesley, Hebrew.....Reinbeck, Iowa
A.B. Charles City College 1906

Henke, Arthur William, Theology.....Charles City, Iowa
A.B. Charles City College 1904

Higgins, Daniel Franklin, Geology.....Joliet
B.S. Northwestern University 1907; M.S. 1909

Highberger, William Walz, History.....West Newton, Penn.
A.B. Washington and Jefferson College 1908

Hitchcock, Raymond Royce, Mathematics.....St. Cloud, Minn.
A.B. University of Wisconsin 1907

Hogue, Clara Mabel, English Literature.....Evanston
Ph.B. Greenville College 1904

Hokaasen, Otto Theodore, Chemistry.....Decorah, Iowa
A.B. Luther College 1909

Holland, Robert T., Philosophy, ... Scottsville, Ky.
A.B. Southern Normal School 1899, S.T.B. Grant University 1903

Holmes, Merrill Jacob, Philosophy..... Indianola, Iowa
A.B. Simpson College 1908

Holsinger, Lloyd Clinton, Mathematics..... Mt. Morris
A.B. University of Michigan 1907

Jessen, Carl Arthur, Education..... Hayfield, Minn.
A.B. Luther College 1909

Julian, Arthur Nelson, German..... Elgin
A.B. Northwestern University 1907

Lawson, Peter Jacob, Philosophy..... Lyons, Neb.
A.B. Nebraska Wesleyan University 1899

Leonard, Walter Anderson, Economics..... Evanston
A.B. Nebraska State University 1903

Little, Edith Regina, Romance Languages..... Evanston
A.B. Wells College 1907

Little, Helen Marina, Romance Languages..... Evanston
A.B. Woman's College 1899

Long, William Henry, Law..... Evanston
B.S. Northwestern University 1906

Lowry, Charles Doak, Educational Psychology..... Chicago
B.S. Northwestern University 1908

Lutkin, Harris Carman, Law..... Evanston
A.B. Northwestern University 1908

McCauley, Katharine Lay, Romance Languages..... Highland Park
A.B. Bryn Mawr 1906

Marietta, Clyde Orlando, Mathematics..... Salina, Kan.
A.B. Kansas Wesleyan University 1905

Maynard, Charles Wesley, Pathology..... Clear Lake, Iowa
A.B. Morningside College 1905

Morgan, George G., Law..... Wheaton
B.S. Wheaton College 1904

Myers, James Walter, Chemistry ..... Portland, Ore.
A.B. Leland Stanford Junior University 1907

Norton, Louise Werneburg, German..... Evanston
A.B. Northwestern University 1906

O'Farrell, Thomas Arch, Psychology ..... Pana
A.B. Northwestern University 1908

Parsons, Charles Wesley Darwin, Physics..... Evanston
A.B. Cornell University 1897; A.M. Northwestern University 1909

Pease, Kingsley Eugene, Philosophy..... Singapore, S. S.
B.S. Northwestern University 1901

Pool, Clarence Gilbert, Neurology..... Amboy
B.S. University of Chicago 1908

Rawlins, Frances Christine..... Evanston
A.B. Northwestern University 1902

Reardon, Neal Daniel, Law..... Chicago
A.B. University of Illinois 1900

Satterlee, Roscoe Earl, Law..... Mitchell, S. Dak.
Ph.B. Dakota Wesleyan University 1907

Simons, May Wood, Economics..... Evanston
Ph.B. University of Chicago 1905

Sims, Frederic Leon, Zoölogy..... Evanston
B.S. DePauw University 1902; B.S. University of Chicago 1903

Stockley, Florence Alberta, Greek.....Evanston
A.B. Northwestern University 1906
Stolz, Frederick, Hebrew.....Grand Rapids, Mich.
A.B. German Wallace College 1908
Stuntz, William Oliver.....Pacific Grove, Cal.
A.B. Leland Stanford Junior University 1907
Tinker, Frank Enos, Medicine.....Monona, Iowa
B.S. University of Chicago 1908
Townsend, Lowell Leslie, English Literature.....Remington, Ind.
A.B. Northwestern University 1909
Von Tungeln, George Henry, Philosophy.....Golconda
Ph.B. Central Wesleyan College 1909
Walker, Marie Winchell.....Chicago
M.D. Hahnemann Medical College 1899
Watson, Lewis Martin, Geology.....Monon, Ind.
B.S. Northwestern University 1909
Weber, Arthur Leo, Pathology.....Chicago
A.B. McKendree College 1907
Wendland, Charles John, Law.....Chicago
B.S. Northwestern University 1909
White, Esther Lucy, Zoölogy.....Hebron, Iowa
A.B Northwestern University 1909
Whitson, Thomas Merrick, Law.....Chicago
A.B. Northwestern University 1908
Wood, Otho Don, Philosophy.....Sterling
A.B. Cornell College 1905

NON-RESIDENT GRADUATE STUDENTS

Derby, Horace Mann, History.....Philo
A.B. Northwestern University 1904
King, James Sherman, German,.....St. Paul, Minn.
A.B. Northwestern University 1901
Paarlberg, Mary, German.....Oakglen
Ph.B. Northwestern University 1902
Reecher, Samuel E., Educational Psychology.....Sparta
A.B. Northwestern University 1907
Stevenson, Olla, German.....Huntington, Va.
B.L. Northwestern University 1902

CANDIDATES FOR A BACHELOR'S DEGREE

Aberle, Mariel Julia.....Mansfield, Ohio
Abraham, Elizabeth.....Morris
Adams, Helen Elma.....Belvidere
Ade, Ardis Esther.....Kentland, Ind.
Ainsworth, Olive.....Watseka
Albertson, Roy Wallace.....Chicago
Albright, Caroline Elizabeth..Winfield, Kan.
Alford, Edith Evangeline.....Helena, Mont.
Allen, George Brannan.....Cary Station
Alling, William Klinck.....Evanston
Anderson, Merl Virginia....Preston, Minn.
Anderson, Mills Mallalieu....St. Louis, Mo.
Andresen, Marie O. K.....Chicago
Armbruster, Homer B.....Springfield
Armstrong, Howard Joseph.....Chicago
Arnold, Stanley.....Peotone
Arragon, Reginald Francis.....Chicago
Arundell, Gladys Frances.....Chicago
Ash, Henry Seymour.....Endeavor, Wis.
Atwell, Ruth Sarah.....Evanston
Babcock, Blanche Llewellyn.....Parr, Ind.
Baertschy, Della.....Chicago
Bailey, Harry Phillips.....Princeton, Mo.
Bailey, Ruth P.....New Richmond, Ind.
Baird, Wilbur Stanley.....Peotone
Baker, Bessie Louise.....Glencoe
Baker, Jessie Ada.....Flint, Mich.
Baker, Margery Mae.....Allegan, Mich.

Ball, John Rice.....Evanston
Ballard, Virginia Sallie.....Evansville
Ballew, William Murray.....Corydon, Iowa
Bandel, Harry.....Chicago
Bannister, Ruth Delia.....Evanston
Barker, Percival Howson.....Maywood
Barlow, Mae Martha.....Galva
Barnes, Alice May.....Evanston
Barnes, Erma Lewis.....Joliet
Barnes, Flavel.....Pratt, Kan.
Barrows, Mabel Elise.....Chicago
Barth, William Philip.....Rock Island
Beale, Robert Lee.....Tama, Iowa
Beall, Florence Yolande.....Princeville
Beall, Homer Honeywell.....Princeville
Beazley, Cora Alice.....Evanston
Beck, Marshall.....Huntington, Ind.
Beck, Martha Elizabeth.....Glencoe
Bedell, Guy William.....Thomson
Bedker, Ebba Henrietta..Muskegon, Mich.
Beebe, Lucia Jane.....Chicago
Beecher, Verne Adelbert.....Abingdon
Behl, Ada Margaret.....Chicago
Bell, Walton Sercomb.....Chicago
Bellows, Dale Edwin.....Maryville, Mo.
Bellows, Harold Honnold....Maryville, Mo.
Benjamin, Chester Nelson....West Chicago
Benton, Marie Belle.....Indianapolis, Ind.
Bergessen, Albert Rufus.....Leland
Berglund, Edward George.....Chicago
Bernetha, Madge.....Rochester, Ind.
Berry, Loren Murphy.....Wabash, Ind.
Betts, Edna Ellsworth.....Evanston
Beyerlein, Arthur Lewis.....Chicago
Blackstone, Nina Luella.....Warren
Blades, William Fletcher....Dubuque, Iowa
Blair, Mary Constance.....Evanston
Blake, Albert Webster.....Amesbury, Mass.
Blattner, Helen Harland..Pasadena, Calif.
Bleifuss, Walter Franklin Stewartville, Minn.
Blodgett, Vesta Electa.....Chicago
Boettcher, Edna Rosalie.....Evanston
Bonbright, James Cummings,.....Evanston
Booz, Edwin George.....Evanston
Borst, Lillian.....Windom, Minn.
Borton, Helen Wills.....Evanston
Boswell, Clarence Henry.....Rockford
Botkin, Anna Mae.....New Point, Mo.
Boyer, Helen Dorothy.....Nashua, Iowa
Boyington, Pearl Leone....Petoskey, Mich.
Bradley, Alvin Percy.....Evanston
Bragdon, Merritt Caldwell.....Evanston
Braidwood, Jeanie Belle.....Chicago
Bray, Edith Elizabeth Mary.....Waukegan
Bressmer, Walter Arthur.....Latham
Broad, Esther.....Buffalo, N. Y.
Broad, Hazel Ruby.....Evanston
Brodfuehrer, Oscar Matthias.....Chicago
Broehl, Leland Peter.....Pana
Brown, Algy Glen.....Ava
Brown, Clarence DeWitt.....Ilion, N. Y.
Brown, Elizabeth.....Evanston
Brown, Floy Mariette.....Ilion, N. Y.
Brown, Harold Thompson....Crescent City
Brown, Leon Leonard.....Cherry Valley
Brown, Lydia Lawrence.....Lake Forest
Brown, Robert Wesley.....Chicago
Brownell, Baker.....St. Charles
Brownlee, Clarence Stiles.....Chicago
Bruce, Ray Forrest.....Garrett, Ind.
Bruce, Ray William.....Hemet, Cal.
Bruner, Lenora Sims.....Pontiac
Bryan, Mabel Miles.....Chicago
Bryant, Avis.....Hebron, Ind.
Bryant, Mabel Captola.....LaCrosse, Wis.
Bulkley, George Spencer.....Libertyville
Bullis, Carleton Henry....Milwaukee, Wis.
Bunch, Jesse William.....Thayer, Ind.
Bunton, Georgiana.....Atlantic, Iowa
Burkhardt, William Zahn.....Chicago
Burnette, Marion Eulalie.Aberdeen, So. Dak.
Busby, Edward Brinkerhoff.....Coal City
Buswell, Margaret.....Winona, Minn.
Cady, Ruth.....Evanston
Cameron, James Roy.....Alexis
Camp, Cecil LeRoy.....Espanola, Wash.
Campbell, Donald.....Clinton
Campbell, Elizabeth S.....Monica
Campbell, Fanchen Leota.....Chicago
Campbell, Jessie.....Coal City
Cannon, Howard Renwick.....Oak Park
Carlson, Marie Ellen.....Lake Bluff
Carlson, Mary Isabel.....Sheffield
Carlson, Robert Clarence....Brooklyn, N.Y.
Carr, Charles Lewis.....Quincy
Carroll, Merton Alfred.....Elgin
Carson, Samuel Pirie.....Evanston
Carter, Ruth Grace.....Evanston
Carwardine, John Chester.....Chicago
Caster, Ursula.....Crawfordsville, Ind.
Cater, Margaret Grace.....Libertyville
Chamberlain, Faith.....Chicago
Chamberlin, John Clair.....Panora, Iowa
Chambers, Raymond.....Evanston
Chandler, Jean Forrest.....Chicago
Chandler, Louise.....Chicago
Chapman, Helen.....Evanston
Chapman, Louise Mary.....Evanston
Charles, Sherman Alexander.....Evanston
Chase, Margaret E.....Evanston

Chase, Wilbur P.....Toulon
Chesnutt, Jay LeRoy.....Chicago
Christiansen, Martha.....Chicago
Christman, Laura Ethel.....Evanston
Christopher, Alice.....Evanston
Christopher, Frederick.....Evanston
Clancy, Edwin Joseph.....West Chicago
Clark, Harold Johnson.....Evanston
Clarke, Lennox Barrett.....Chicago
Clay, Nelle Edith.....Quincy, Ohio
Cleworth, Beulah Rose.....Chicago
Coad, Willma.....Chicago
Coble, Elmer Christian Daniel.....Oswego
Cockrell, Frank.....Oswego, Kan.
Comparet, Irene.....Ft. Wayne, Ind.
Comstock, James Frank.....Macomb
Connard, Nellie.....Decatur
Cook, Justine Randolph.....Bluffton, Ind.
Cooke, Edith Whitcomb.....Chicago
Cool, Ryder Forrest.....Blue Island
Cooper, Josephine.....Kenosha, Wis.
Cormack, Joseph Marshall..Garden Prairie
Cornelius, Ernest Harry.....Hastings, Neb.
Cowley, Amy.....Ligonier, Ind.
Cox, Cummings McBrier.....Chicago
Cox, Winifred.....Osseo, Wis.
Crane, Isabelle.....Chicago
Crawford, Alma Elizabeth.....Ottawa
Crawley, Helen Williams.....Chicago
Crippen, Harriet Faye.....Cherokee, Iowa
Cromer, Charles Edolyn.....Evanston
Crook, Jennie Cecelia.....Chicago
Crouse, Sara Elizabeth Dibert.Holmes, Penn.
Cunningham, Barclay William.....
.....Kansas City, Kans.
Currier, Grace Mae.....Salix, Iowa
Curry, Anna Helen.....Oregon, Mo.
Curtis, Stanley Arthur ....Dow City, Iowa
Daily, Francis Leo.....Peoria
Dalbey, Mabel Hall.....Taylorville
Dammarell, Milton Edwin.....Chicago
Davis, Norma Jessie.....Evanston
Dawes, Rufus Fearing.....Evanston
Dawson, Robert Earle.....Kansas City, Mo.
DeBord, Besse Myrtis.....Princeville
Dennis, Leah Augusta.....Dubuque, Iowa
Denton, Allen Eugene.....Sheller
Dewey, Perdita Irene.....Kenosha, Wis.
Dewhirst, Floyd Everett.....Noble
Dickerson, Earl Burrus.....Canton, Miss.
Doktorsky, Philip.....Chicago
Dolsen, Mervyna Barbara.....Elgin
Donahoo, James Harrison .....Moline
Dorner, Pierre Lionel.....Evanston
Dreher, Charles Edwin..Stroudsburg, Penn.
Drew, Alberta Lizbeth. .....Joliet
Duncan, Anna.....Lintner
Dyrenforth, Dorothy.....Glen Ellyn
Dysart, George Philip.....Dixon
Early, Benjamin Blakeman.....Rockford
Earngey, Willard Phelps.....Rockford
Eastman, Ruth.....Evanston
Eaton, Jonathan Chase....Fargo, No. Dak.
Eddy, Milton Walker.....Medina, Ohio
Ehmen, Emil Sebo.....Melvin
Eldridge, Byron Henry.....Evanston
Eldridge, John Adams....Washington, D. C.
Erb, George William.....Chicago
Erikson, Myrtle Millicent.....
.....Crystal Falls, Mich.
Erwine, Samuel Dawson.....Saunemin
Esch, Irmgard Anna.....Chicago
Estell, Edna Williams.....Evanston
Evans, Charles, Jr.....Chicago
Evans, Earl Wesley.....Sidney, Ohio
Fansler, Ralph Lee.....Evanston
Farnham, Irene Gaylord....Laurium, Mich.
Farquharson, William James.....Chicago
Felkner, Marjorie.....Evanston
Ferguson, Carrie Blanche.....Morris
Flack, Grace Lola.....Chicago
Fletcher, Abbott Lee.....Rantoul
Flick, Oka.....Alanson, Mich.
Fogas, Alice Black.....Mt. Vernon, Ind.
Fogleman, Lura Mae.....Washta, Iowa
Foster, Edith.....Brandon, Wis.
Foster, Gertrude Alice.....Chicago
Foster, Harold Reed....Webster City, Iowa
Foster, Melissa Elmore.....Evanston
Frank, Glenn.....Green Top, Mo.
Franks, Paul Raymond.....Garrett, Ind.
Fraser, Bruce Ernest.....Chicago
Frei, Mildred.....Reinbeck, Iowa
Frye, Mary Vance..... ..Capron
Fuchs, Carl Ernest.....Chicago
Fulcher, Gwyneth Mary.....Evanston
Fuller, William Green ..... Galva
Fullerton, Almeda.....Ottawa
Gage, Harriet.....Evanston
Galpin, William Freeman..Muskegon, Mich.
Gardiner, Mabel Frances.....Evanston
Garrison, Daisy Luella.....Chicago
Gaskins, Nina.....Harrisburg
Gates, Juliette.....Wilmette
Gethmann, Ella Helen.....Reinbeck, Iowa
Gethmann, Julia.....Reinbeck, Iowa
Gibson, Ralph Shaffer..... Evanston
Gifford, Gertrude Matoaka.....Evanston
Gilmore, Algernon Isaac.....Oneida, Kans.
Gleason, Randall Homer.....Kankakee

Gleeson, Jules.....Independence, Iowa
Glick, Carl Cannon....Marshalltown, Iowa
Glick, Charlotte Rebecca Marshalltown, Iowa
Gloeckler, Mable Margaret.....Evanston
Goddard, Lotus Lucille.....Evanston
Goldberg, Berthold Laflin.....Chicago
Goodenow, Harold Elijah....Detroit, Mich.
Goodsmith, Winifred Pearl.....Chicago
Gordon, Elizabeth.....Bowdoinham, Me.
Gouwens, Cornelius.....So. Holland
Graves, Nelle Amelia.....Abilene, Kans.
Gray, Frances.....Marion, Ky.
Green, Elsie Fuller.....Kansas City, Mo.
Greene, Fern Emily.....Lake Bluff
Greenwell, James Rollie.....Mt. Sterling
Griffin, Myra Florence.....Zion City
Griscom, Ellwood.....Morristown, N. J.
Grisier, Orville Jennings Lowrys.....
.....Stryker, Ohio
Grubb, Paul Nuzum..... Mauston, Wis.
Gruber, Merrill Otis.....Montgomery
Gueno, William Thomas.....Evanston
Guernsey, Jeanne..... Chicago
Guernsey, Theodora..... Akron, Iowa
Haist, Virginia Ethel.....Manton, Mich.
Hale, Frances Arnold.....Highland Park
Hale, Helen Gertrude.....Highland Park
Hall, Emma Clodfelter..Crawfordsville, Ind.
Hall, Laura Downton..Prairie du Chien, Wis.
Hall, Vere Alton.....Keithsburg
Hallwachs, John Fred.....Chicago
Halter, Albert Arthur.....Flucom, Mo.
Hamilton, Henry Raymond, Jr...Oak Park
Hamilton, Margaret.....Oak Park
Hanes, May.....Chicago
Hard, Ethel Vera.....Van Wert, Ohio
Hard, Mary.....Van Wert, Ohio
Hardie, Helen McQueen.....Evanston
Hardy, Ione Elizabeth.....Lansing, Mich.
Harker, Ralph Wackerle.....Jacksonville
Harkness, Cornelia Virginia.....Chicago
Harlow, Frank Arthur.....Chicago
Harper, Ethel Maud.....Laurium, Mich.
Harper, Marion Willard....Calumet, Mich.
Harrington, Marion.....Spokane, Wash.
Harris, Abram, II.....Evanston
Harris, Clara Funke.....Evanston
Harris, Sarah Bacon.....Evanston
Harris, William Joseph.....Evanston
Harrison, Faith Stone.....La Grange
Hart, Marguerite.....West Allis, Wis.
Harvey, Margaret Isabelle.....Belvidere
Harvey, Mary Gertrude.....Evanston
Haubold, Clara Theresa.....Chicago
Haviland, Fred Hobert.....Aurora
Haviland, James Thomas.....Aurora
Hawley, Lillian Emeline.....Huntley
Healy, Fred Albert.....Aurora
Hein, Gordon Egan.....Pueblo, Colo.
Herbert, Florence Emerson..La Grange, Ind.
Heren, Hubert Edmund.....Evanston
Herren, Walter.....Oswego
Hess, Jensenia Anna.....Chicago
Hicks, John Donald.....Buffalo, Wyo.
Hiestand, Elizabeth.....Chicago
Hilton, Charles Ordway.....Evanston
Hirsch, Edwin Frederick..Wauwatosa, Wis.
Hitchcock, Helen Avery.....Oak Park
Hobart, Elizabeth.....Evanston
Hobart, Marcus Hatfield.....Evanston
Hobbs, Gladys Loretta .Michigan City, Ind.
Hoffman, Clara Louise.....Chicago
Hograba, Fannie Eva.....Harvey
Holcomb, Anna Faye.....Hinsdale
Holden, Florence Elizabeth.....La Grange
Holmberg, Ethel Marie....Ironwood, Mich.
Holmberg, Hilda Christina.....
..... Centerville, S. Dak.
Holton, Margaret Bacon..Indianapolis, Ind.
Holton, Mary Ward.....Indianapolis, Ind.
Hood, Pearl Beatrice.....Elgin
Hopkins, Emma Burdette..Independence, Ia.
Hopkins, Sadie May.....Fennimore, Wis.
Horner, Hazel Beatrice.....Chicago
Horning, Helen Morton Barker.....Evanston
Hotchkiss, Mary Camilla ...Fox Lake, Wis.
Houchin, Emanuel.....Pontiac
Houke, Verna Lucile.....Ottumwa, Iowa
Howard, Horace Lee.....Garfield, Wash.
Howe, Lora Berta.....Miles Center, Mont.
Hoyt, Joseph Daniel.....Lafayette, Ind.
Hubbard, Clifford Leo.....Rock Island
Hulbush, Nora Louise.....Billings, Mont.
Hull, Mary.....Saunemin
Hummel, Gertrude Anna.....Chicago
Hummelgaard, Peter Thomas ....Evanston
Huse, Bernice Martha.....Mason City
Hyde, Minnie Isabella.....Beaver, Pa.
Jacob, Gotlieb Frederick...Coshocton, Ohio
Jacobsen, Inger Amala.....Chicago
Jacobsohn, Herman.....Chicago
Jacobson, Roy Charles.....Geneseo
Jenkins, Catherine Elizabeth.....Chicago
Jenks, Alice Margaret.....Elgin
Jenks, Frances Sylvia.....Elgin
Jennings, Elmer Hayward.....Sterling
Jensen, Myrtle E.....Aberdeen, So. Dak.
Johnk, Frederick August ....Kingsley, Kan.
Johnson, Andrew Nedessen....Sparta, Wis.
Johnson, Anna Johanna.....Chicago

Johnson, Douglass Montgomery .....
.....St. Louis, Mo.
Johnson, George Walter.....Chicago
Johnson, Gertrude Amelia.....Chicago
Johnson, John Fenton.....Chicago
Johnson, Marcia.....Evanston
Johnson, Marvin Alfred.....Chicago
Johnson, Mary Charlotte.....Chicago
Johnston, Thomas Robert.....Milan
Jones, John Lewis.....Chicago
Jones, Mildred Burritt.....Evanston
Jones, Rachel Bangs.....Evanston
Jones, Thomas Z.....Cornell
Juel, Marie Eline.....Canton, So. Dak.
Kahlo, Corinne Ethel.....Evanston
Kahn, Ida.....Nanchang, China
Kanno, Bun.....Sendai, Japan
Karst, Elsa Emelie.....Wilmette
Karsten, Norma Lillian.....Horicon, Wis.
Keating, Florence Alice.....La Crosse, Wis.
Kercher, Cora Ellen.....Goshen, Ind.
Kerr, Fred Laird.....Chicago
Keye, Leighton Samuel.....Stockton, Kans.
Kierland, Alice Thora.....Rushford, Minn.
Kilbury, Mable Rachel.....St. Joseph
Kindig, Avaline Hull.....Rensselaer Ind.
King, Bertha Goodwin.....Rochelle
King, Fenner Emory.....Ames, Iowa
King, Helen Lenore.....Pueblo, Colo.
King, Loraine Trotwood.....Oregon, Mo.
Kirkpatrick, Bessie Luella.....Macomb
Kirkpatrick, Blaine.....Raub, Ind.
Kittle, Roy Leslie.....Crystal Lake
Klatt, Armella.....Lincoln
Kline, Mabel Elizabeth.....Evanston
Knudsen, Amalie.....St. Charles
Kohin, Mary Millicent.....La Salle
Kollman, Rose.....Chicago
Kracke, Ella Wilhelmina.....Chicago
Kraemer, Maude.....Chicago
Kraft, May L.....Evanston
Kramer, Hilde Marie.....Chicago
Kranebell, Wilbur Raymond.....
.....Albert Lea, Minn.
Krauss, Paul Hartzell.....Chicago
Kuhlman, Mary Edna.....Ursina, Penn.
Kurtz, John Jacob.....Flint, Mich.
Laing, Nellie Margaret....Gladstone, Mich.
Lambert, Helen.....Austin
Lamke, Earl John.....Evanston
Lamke, Raymond Clarence.....Evanston
Landahl, Bessie Arline.....Princeton
Landahl, Blanche Iolean.....Princeton
Landon, Clare.....Chicago
Landsdowne, Burdette.....Chicago
Langdon, Alwillah.....Le Roy
Langdon, Ernest Heber.....Monticello
Langdon, Seth Chapin.....Monticello
Lanktree, Lucy Belinda.....Princeton
Lapham, Martha.....Chicago
Larsen, Harold Otis.....Evanston
Larson, Hulda Louise Margaret..La Grange
Lathrop, Georgia Louise.....Chicago
Laughlin, Lola Claire.....St. Charles
Lawhead, Robert Emmett..Lake City, Iowa
Lawson, Gordon McIntosh.....Chicago
Leach, Margaret Fannie.....Chicago
Leach, William Butler.....Chicago
Leacock, Lillian.....Chicago
Leander, Eric Gabriel.....Macomb
Leigh, Maurice Chaffee.....Evanston
Leonard, Alice.....Wilmette
Leonard, Chauncey Wood.....Evanston
Levitin, Pauline Grace.....Chicago
Lewis, Vernon Eddy....Fort Benton, Mont.
Lex, Jessie Catherine.....Peoria
L'Hote, Elda Patience.....Milford
L'Hote, Ray Fairman.....Milford
Liang, Chi Shuen.....Canton, China
Lillygren, Victor Nels .....Monson, Me.
Lind, Esther Charlotte.....Aurora
Linowiecki, Anthony Joseph.....Chicago
Lison, Marguerite Marie.....Evanston
Lobanoff, Vera.....Wilmette
Locy, Francis Eastman.....Evanston
Loehr, Adele Mane.....Carlinville
Logan, Grace Cook.....Evanston
Loizeaux, Will Leon.....Vinton, Iowa
Long, Fanny Rebecca.....Grinnell, Iowa
Loomis, Edna Reyart.....Chicago
Loring, Elsie Brown.....Chicago
Lowell, Henry Parker.....Somerville, Mass.
Luce, Albert Lawrence.....La Grange
Lugg, Thomas Bransford.....Rossville
Luke, Edna Gertrude.....Joliet
Luker, Paul Jacob.....Staunton
Lundahl, Irving August.....Chicago
Lynch, Josephine Florence.....Evanston
McCague, Margaret Harriet.....Chicago
McCallum, George Mena..Muskegon, Mich.
McCarrell, Helen.....Evanston
McCarty, Carolyn Young.....Tuscola
McCauley, Jane Frances.....Evanston
McClure, Ethelda.....Chicago
McClurg, Grace Katherine.....Lima, Ohio
McCordic, Christine Ruth.....Winnetka
McCulloch, Hugh Waugh.....Evanston
McCullough, Bert Carlyle..... Harvey
McDonald, Alexander Ray.....Odell
McDonald, Hazel Florence.....Kenilworth

McGregor, Clara Grace....Anaconda, Mont.
McGrew, Lois Axtell.....Chicago
McLean, Ruth Eleanor.....Elgin
McNeill, Malcolm Rivers.....Evanston
McNett, Blanche.....Chicago
McQueen, M. Virginia.....Harvey
McVicar, Hugh Samuel....Blackfoot, Idaho
McWilliams, Edward, 2nd.....Chicago
MacWilliams, Jennie.....St. Charles
Mackin, Thomas John.....Evanston
Mahler, Helen Maud.....Sheldon, Iowa
Manley, John Alfred.....Mt. Carmel
Mapes, Florence Adelle.....Ducombe, Iowa
Maris, Jeanne Marie.....Highwood
Maris, Thomas Glenn.....Highwood
Marks, Vernia.....Beloit, Wis.
Mars, Anne Gladys.....Kenilworth
Marsh, Clarence Stephen.....Seattle, Wash.
Marsh, Jesse Irving.....Buckley
Marsh, Mabel.....Kincaid, Kans.
Martin, Fred Albert.....Elk City, Okla.
Marxsen, William Bartenick.....Chicago
Mather, Margaret Edwina.Groton, So. Dak.
Matlack, Edith Lillian.....Galena
Mauritzon, Elsie Elizabeth.....Chicago
Maury, Carl Lee.....Rossville
Mealiff, Ethel Helen.....Chicago
Measamer, Thos. Edward..Concord, No. Car.
Mee, Marguerite Edythe.Centerville, So. Dak.
Mehl, Elsie May.....Ft. Wayne, Ind.
Mercer, Herman Josiah.....Wyanet
Merrill, Wallace Trescott.....Cabery
Merritt, John Wesley.....Fallon, Nev.
Merritt, Louise.....Magnolia
Merry, Glenn Newton.....Evanston
Mershon, Harry Grant.....Rockford
Meyer, Blanche Theresa.....Winnetka
Middlekauff, Robert Prindle.....Chicago
Milburn, Edith.....Niles, Mich.
Miller, Bert Israel.....Newkirk, Okla.
Miller, Reginald Parsons.....Evanston
Mills, Edgar Stuart.....Harvey
Moore, Alice Lydia.....Grayslake
Moore, Andrew Jamieson...Manitoba, Can.
Moore, Aubrey Shannon..Hendrysburg, Ohio
Moore, Ruth Mary.....Grayslake
Moore, Susan.....Des Moines, Iowa
Moreland, Cornelia Beretta.....Chicago
Morgan, Lucile.....Evanston
Morgan, Ruth.....Evanston
Moscrip, Jessie Erskine....Milwaukee, Wis.
Moss, John Butler.....Wheaton
Moulton, Everett Crockett...Ft. Smith, Ark.
Movius, Reginald Murray.....
Lidgerwood, No. Dak.
Movius, Walter Robert, Lidgerwood, No. Dak.
Munyer, Abraham Elias.....Chicago
Murphy, Zita Mary.....Chicago
Murray, Millicent Annette.....Evanston
Nadler, Walter Hermann.....Peru
Nash, Mabel Catherine.....Evanston
Nelson, Eleanor Vivian.....Mora, Minn.
Nevitt, Mildred Eva.....Bradford
Newell, Florence Eleanor.....Monticello
Newman, Elizabeth.....Starr City, Ind.
Newton, Henrietta.....Crown Point, Ind.
Nichols, Florence Mary.....Chicago
Nichols, Louise McCaeen.....Evanston
Nickerson, Rosemary.....Onarga
Nolte, Lucy Belle.....Mt. Vernon, Ind.
Norris, Marion Lela.....Bellaire, Mich.
Norton, Julia Ellen.....Evanston
Noyes, Ella Louise.....Mt. Sterling
Nusbaum, Carry Mae.....Middlebury, Ind.
Nye, Russell G.....Agency, Iowa
Nyquist, Reuben Emil.....Moline
Oliver, Libbie Arvilla...Independence, Iowa
Olson, Martha Geneva.....Winona, Minn.
Pace, Charles Anderson.....Chicago
Paden, Ruth Agnes.....Sumner, Iowa
Palmer, Leila Berne.....Evanston
Palmer, Ruth Anne.....Algona, Iowa
Parks, Miss William Shore.....Evanston
Patten, Helen Prindle.....Evanston
Patterson, Clinton Crissey.....Marengo
Pearson, Oliver Wendell.....Argyle
Pearson, Pauline.....Argyle
Pease, Hallie Anna.....Chicago
Pederson, Oluf Johan.....Audubon, Minn.
Penberthy, Vera Ethel.....Chicago
Penman, Ida Mae.....Yorkville
Pennington, Hortense Evelyn.....
Mediapolis, Iowa
Perkins, Marion Glidden.....Wilmette
Perkins, Stella Frances.....Wilmette
Perrin, Mabelle May.....Luverne, Minn.
Perry, Hazel Belle.....Dundee
Perry, Lois Kennedy....Crawfordsville, Ind.
Peterson, Max Heinrich.....Dundee
Pettibone, Heman Nelson.....Chicago
Petty, Martha Elizabeth.....Chicago
Phelps, John Manley.....Chicago
Pider, Myrtle Zoa.....Mankato, Kan.
Pierce, Helen.....Chicago
Pierson, Hazel Mary.....Wilmette
Pifer, Harry Charles.....Lovington
Piper, Robert Gregory.....Berwyn
Pittman, Margaret H.....Evanston
Platt, Emily Belle Humble.....Chicago
Plummer, Beulah Alexia.....Lowell, Ind.

Polhemus, Eliza Groat.....Evanston
Pollock, Ellen Campbell.....Plattsmouth
Pond, Jessie A.....De Kalb
Pooley, Eleanor Gertrude.....Evanston
Pope, Charles Augustine.....Chicago
Pope, Edwina Lydia.....Evanston
Pope, Mary Howe.....Evanston
Pope, Walter Scott.....Berwyn
Pope, William Cooke.....Waukegan
Porter, Charlotte Williams..Hubbard Woods
Porter, Elizabeth.....Evanston
Power, Caroline Marguerite.....Enid, Okla.
Powers, Gladys Beulah.....Waterloo, Iowa
Pratt, George Wesley.....Truro, Iowa
Pratt, Marguerite Eugenia.....
Santa Monica, Calif.
Preston, Genie Johannah.....
Strawberry Point, Iowa
Price, Lizzie Jane.....Clear Lake, Iowa
Price, Margaret Wilmot.....Chicago
Prince, Sarah Harriet.....Downers Grove
Prindle, Mary Louise.....Elgin
Pritchard, Edith Mildred.....Geneseo
Pritchard, Fannie Isabelle.....Geneseo
Prouty, Ida Evangeline....Des Moines, Iowa
Raeder, Marguerite.....Evanston
Randall, Winslow Henry.....Harvey
Ranney, Leo.....New Hartford, Iowa
Reese, Ernest August.....Hubbard, Iowa
Reinhard, Katherine Josephine.....La Salle
Rendleman, George Franklin .....Anna
Reppert, Myrtle.....Burlington, Iowa
Richards, Frances Rebecca.....Evanston
Richards, Lois Williams.....Oregon, Mo.
Richardson, Lucy.....Evanston
Richardson, Mary Frances.....Chicago
Richardson, Robert.....Evanston
Ridenour, Rachel Ruth....Fort Wayne, Ind.
Riebel, Vera Antoinette.....Chicago
Riley, Bertha May Wood.....Evanston
Riley, Bessie ..... Arkansas City, Kan.
Roberts, Florence.....Evanston
Roberts, Louise Antoinette.....Evanston
Roberts, Ralph Roscoe.....Waterman
Roberston, Donald Grant.....Evanston
Robertson, Janet Elizabeth.....Chicago
Robins, Fitz James.....Iantha, Mo.
Robinson, Mark Morris.....Viola
Robinson, Perry.....Volga, W. Va.
Roehm, Frederick William...Calumet, Mich.
Rollins, George Alcuin....Milwaukee, Wis.
Roosa, Omar Errol....Traverse City, Mich.
Rosenberg, Bertha.....Evanston
Rostock, Benjamin Franklin.....Evanston
Ryan, Marie Lois.....Lockport
Sage, Dorothy Lewis.....Evanston
Sauer, Frank Joseph.....Evanston
Schaeffer, William Hoyt.....Chicago
Scheuber, Selma Florence.....Chicago
Schloesser, Harry Eugene.....Chicago
Schmeisser, Martha Emma..Calumet, Mich.
Schroeder, Frederic Henry.....Chicago
Schryver, Florence.....Chicago
Scott, Florence Margaret.....Chicago
Searles, Bertha Jane.....Chicago Heights
Secor, Elizabeth.....La Salle
Seeley, Ina Louise.....Andover, So. Dak.
Seewald, Olga Elizabeth.....St. Louis, Mo.
Sell, Mabel.....Kentland, Ind.
Sellers, Horace Bruner.....Elgin
Semans, Esther Littell .... Winchester, Ind.
Shafer, Viola Elsa.....Peoria
Shafer, Violet Mary..... Peoria
Shanesy, Ralph David.....Belvidere
Shaw, Hugh Biggar.....Yorkville
Shearer, Viola Evelyn.....Wyoming
Sheffield, Phyrrha Buchner.....Chicago
Shenk, Arthur Balentine....Monticello, Ind.
Shepherd, Brownie Fielding....Clinton, Ind.
Sherman, Frank Taylor.....Preemption
Shields, Ruth Myrtilla.....Evanston
Shively, Franklin Lloyd.....Dayton, Ohio
Shoop, William Marrs.....Peoria
Shores, Pearl Matilda.Grand Junction, Colo.
Short, Charles Augustus..Pembina, No. Dak.
Shugart, Eva Louise.....Nevada, Iowa
Shurtleff, Helen.....Wilmette
Siberts, Sara Miriam....West Liberty, Iowa
Sildorf, Maude.....Chicago
Silvers, Francis.....Olney
Sjostrom, Vera.....Haggdanger, Sweden
Skewes, Helen Sabina.....Wilmette
Skibinski, John.....Chicago
Slaughter, Lois Edna.....Ottumwa, Iowa
Slinde, Francis Leonal.....De Forest
Slominski, Harry Howard.Warsaw, No. Dak.
Smiley, Bernice B.....De Kalb
Smith, Faye Elizabeth.....Macomb
Smith, Frank Earl .....Seneca, Kan.
Smith, Harry Elijah.....Macomb
Smith, Hassel Wendell.....East St. Louis
Smith, Herbert Urban.....Keithsburg
Smith, Howard Edward.....Cuba
Smith, Keith Kuenzie.....Garrett, Ind.
Smith, Lewis Addington.... Ottumwa, Iowa
Smith, Robert Emmett .....Winnefield
Smith, Sarah Shirley.....Muskegon, Mich.
Smith, Walter Douglas.....Loraine
Smith, William Rogers Stafford.Niles, Mich.
Smothers, Isaac Alonzo.....Rossville

Sorenson, John.....Audubon, Iowa
Southworth, Raymond Gurton.....Danville
Spearman, Harry Hutchinson.....Evanston
Spencer, Helen Mitchell..Kansas City, Mo.
Spencer, William Anson...Roswell, N. Mex.
Spies, Chester Boeck.....Creston, Iowa
Spilman, Harold Augustus..Ottumwa, Iowa
Sprouse, Claude Willard....Compton, Calif.
Stabler, Lloyd Jesse.....Evanston
Stanbery, Helen Clark .....Evanston
Startzman, Clyde Kress..Bellefontaine, Ohio
Stevens, Clara Anna.....Chicago
Stewart, Bertha Hartwell ....Wichita, Kan.
Stoekle, Mathilda.....Evanston
Stolp, Louise Augusta....Coffeyville, Kans.
Strasser, Marie Jeannette.....La Grange
Straub, Mila.....Evanston
Strickler, Grace Adele.....Keokuk, Iowa
Strombeck, John Frederick .....Moline
Stuntz, Willard Glenn..Panama Canal Zone
Sturgis, Coa May Irene ...Muskegon, Mich.
Sundeen, Arthur Simon.....Duluth, Minn.
Sutor, Georgina Katherine...La Crosse, Wis.
Swanson, Oscar Emmanuel.....Evanston
Sweitzer, Harry Earl.....Plano
Taggart, Helen Childs.....Evanston
Tan, Chang Lok.....Singapore, S. S.
Thomas, Helen Elnora.....La Grange, Ind.
Thompson, David Grosh.....Evanston
Thompson, Lenore Easton.....
Devils Lake, No. Dak.
Thompson, Marguerite.....Wilmette
Thomson, James Ellus... Ft. Worth, Texas
Thorne, Delia Rosella ....Waterville, Kan.
Thorsen, Arthur Valdemar.....Winnetka
Tink, Albert Edward.....Brooklin, Can.
Tink, Robert Wesley.....Brooklin, Can.
Townsend, Zora.....Lake City, Iowa
Trabue, Marion Rex...Columbia City, Ind.
Trainor, Margherita Madeline ..... Ottawa
Travis, Florence.....Evanston
Traxler, Samantha Inez.....Evanston
Tucker, Mary.....Wichita, Kans.
Ullrick, Charles Burck.....Wilmette
Vail, David Linton.....Milnor, No. Dak.
Vanderblue, Homer Bews.....Chicago
Van Horne, Grace Eveline.....Palatine
Van Winkle, Edith.....Avon
Vehe, Karl Leroy.....Chicago
Verbeck, Marjorie May.....Freeport
Vernor, John Harold.....Sandwich
Vick, Lucie Marie.....Evanston
Vincent, Agnes Louise.....La Crosse, Wis.
Vinyard, Middie Middleton.....White Hall
Voorhees, Edith Naomi...Davisburg, Mich.
Wackerbarth, Neva Ruth.....
Independence, Iowa
Walker, Blanche Vera.....Clyde
Walker, Ina B.....Chicago
Walker, Virginia Zelteen ....Waterloo, Iowa
Wallace, Clarence Earl.....Van Wert, Ohio
Wallis, Frank De Witt.....Butler
Walsh, George William.....Evanston
Walther, Anna Irene....Marshalltown, Iowa
Walthers, Clarence Karl.....Port Byron
Wandrack, Martin Joseph.....Woodstock
Ward, Mabel Lucy.....Evanston
Ward, Ruth Florence.....Evanston
Ward, Walter Earl.....Boonville, N. Y.
Ward, Walter Tallmadge.....Onarga
Waring, Celia.....Kansas City, Mo.
Waring, Ruth Ann.....Evanston
Wathier, Frances Mary.....Chicago
Watson, James Thomas.....Wilmette
Watt, Esther May.....Chicago
Webber, Grace Magdalene.....Oak Park
Wedell, Axel Leonard.....Chicago
Weir, Helen Irene.....Oswego
Weiss, Harry Samuel.....Rock Island
Wernicke, Marie Agnes.....Chicago
Werno, Irene Martha.....Chicago
Werts, Clarence Beryl.....Evanston
West, Maud Isabelle.....Loda
Westbrook, Ira Edward.....Mansfield, Mo.
Wheeler, Esther Catherine.....Oak Park
Wheeler, Helen Lenore.....Oak Park
Wheelock, Sara Grosvenor.....Evanston
Wheldon, Mary Elizabeth.....Edison Park
White, Ann Lindsay.....Evanston
Whitelaw, Olive Stanton.....Buffalo, N. Y.
Whiteside, Samuel Eugene..... Evanston
Whitman, Olin Metz.....Evanston
Whitmore, Maude Decelle.....Ottawa
Widney, Charles Earl.....Melrose Park
Wilcox, Leila Belle.....Princeville
Wilcox, Tracy Francis.....Hebron, Ind.
Wilkerson, Harry Hunter.....Roodhouse
Wilkey, Roscoe Stanley.....Covington, Ind.
Wilkinson, Claudine Margaret.....Evanston
Williams, Arthur.....Chicago
Williams, John Junior.....Colfax
Williams, Percival Lloyd.....Racine, Wis.
Willott, Gertrude Edna.....Chicago
Wilson, Catherine Viola.....Evanston
Wilson, Harold LeRoy..South Fargo, No. Dak.
Winchell, Dorothy.....Chicago
Winyall, Eva.....Piedmont, So. Dak.
Wise, Oliver Cady.....Maywood
Wolf, Carl Nicholas.....Chicago
Wood, Cyrus Boynton.....Chicago

Wood, Gaea Flyte.....Memphis, Tenn.
Wood, William Galloway.....Chicago
Woodard, James Wroten.....Rock Falls
Wooden, Robert Edgar....Centerville, Iowa
Woods, Oscar Harry.....Oswego
Woollen, Gladys Caroline.....Wilmette
Wyne, Margaret Ruth.....Macomb
Yaple, George Skiles.....Virginia
Young, Ina Electa.....Chicago
Zukerman, William.....Chicago
Zurawski, Elizabeth Winifred.....
Burlington, Iowa

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE AND STUDENTS WITH EXCESSIVE ENTRANCE CONDITIONS

Alexander, Jessie Martin.....Chicago
Anderson, Nelson Cornelius.....Leland
Baylie, Carolyn Isabelle.....Chicago
Benjamin, Harry.....Keithsburg
Blackstock, Josephine.....Chicago
Blair, Charlie Eugene.....Williamsville
Bogue, Roswell Cutler.....Evanston
Bott, Alice King.....Evanston
Bragg, Helen May.....Evanston
Breneisa, Harry McGane.....Cabery
Byrnes, Agnes Mary Haddon.....Evanston
Dadley, James Walter.....Evanston
Duchardt, RuBerta.....Beardstown
Duffy, Agnes D.....Chicago
Foote, Sheldon B.....Parkersburg, Iowa
Fox, Anna Stewart.....Brooklyn, N. Y.
Gardner, Dorothy Ayer.....Evanston
Gardner, Elizabeth.....Evanston
Hall, Charles Earnest.....Dayton, Va.
Hillman, Miriam.....Evanston
Hinsdell, Oliver Edwin.....Elgin
Hollen, Cora Alice.....Eau Claire, Wis.
Hybarger, Flora Ellen.....Chicago
Jamieson, Thomas C. M.....Chicago
Justice, William Arthur.....Evanston
Kaiser, Alice MacKenzie.....Chicago
Kidder, William Jerome.....Elkins, W. Va.
Kirkpatrick, Mabelle.....Raub, Ind.
Laiblin, Martha Fanny..Rottweit, Germany
Lawrence, Georgia Eleanor.....Joliet
Lee, James Albert.....Pendleton, Ore.
Loizeaux, Paul Andrew.....Vinton, Iowa
Long, Wallace Winfield.....Cadillac, Mich.
Macomber, Katherine Pieronnet.....Chicago
Mertz, Ella Leona.....Downers Grove
Mitchell, Grace.....Mt. Carmel
Morrill, Louis Grant.....St. Clair, Mich.
Patten, Agnes.....Evanston
Piper, Warren Jerome.....Chicago
Poole, Frances.....Evanston
Porter, Lila.....Hoopeston
Pursell, Murat Gillesbie.....Chicago
Reed, John Watford.....Chicago
Reed, Lucy.....Cameron, Mo.
Roberts, Sidney Mitchell.....Chicago
Salisbury, Grace Greenwood.....Ferris
Schantz, Ruth Edmonds.....Morton Park
Swanson, Jennie.....Cambridge
Templeton, Ethel Marie.....Chicago
Te Walt, Alice Leone.....Vincennes, Ind.
Towey, John William.....Bayfield, Wis.
Tulley, Helen Adelaide.....Evanston
Weyer, Clara.....Fairbault, Minn.
Williams, Clara Estelle.....Highland Park
Wilmarth, Chester Agnew.....Rockford

STUDENTS IN SUMMER SCHOOL NOT INCLUDED IN LIST OF COLLEGE STUDENTS

Apel, Paul Hermann.....Chicago
Bregowsky, Felicia.....Chicago
Brown, Josephine.....Chicago
Chew, Elizabeth.....Evanston
Crampton, Ethel Maria.....Evanston
Davenport, Blanche..... Ottawa, Kan.
Elliott, Margaret.....Chicago
Fabian, Margaret.....Evanston
Foster, A. L.....Evanston
Harper, Edith May.....Chicago
Huss, Olive Grace.....Jacksonville
Jacobson, Conrad....Mount Pleasant, Iowa
Lascelles, Ida B.....Evanston
Layton, Warren Kenneth.....Potomac
Martini, Frieda L.....Park Ridge
Obye, Katherine Helen.....Galena
Peterson, Fred W.....Lake Forest
Shepherd, Queen Lois.....Pueblo, Colo.
Tadashi, Iida.....Chicago
Young, Frank George.....Rock Island

Medical School

LIST OF STUDENTS OF THE ACADEMIC YEAR 1908-1909 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Schermerhorn, Herman Henry..... Indianapolis, Ind.
Hayes, Daniel Francis.....Chicago
Gunn, Neil Mackay.....Chicago
McLaughlin, Warren B.....Chicago
Raffie, Sinore Muzaffar ..... Turkey
Samsen, Bernardo.....Phillipine Islands
Nutt, Matt E.....La Porte City, Iowa
Sims, Frederic Leon.....Kenilworth

REGISTER OF STUDENTS 1909-1910

FOURTH YEAR

Abbott, Frederic Mortimer.....Michigan
Abdun Nur, Albert Simons.....Syria
Angel, Le Roy Elbert.....Nebraska
Apfelbach, George Leonard.....Illinois
A.B., Northwestern University
Barton, Hugh Pierce.....Iowa
Beard, Guy Edward.....Illinois
Bennett, Cornie.....Illinois
Brock, George William.....Illinois
Bronson, Walter Teed.....Illinois
Bryant, Henry Clay.....Alabama
A.B., Fisk University
Blumenkranz, Louis.....Illinois
Burke, John James.....Wisconsin
Bussard, Robert Ira.....Illinois
Buster, Harry Cryndlon.....Tennessee
A.B., Fisk University
Campbell, Claude Melville.....Minnesota
Chamberlain, Edwin Frank.....Montana
Chatterton, Carl Clayton.....Iowa
Collier, Casa.....Mississippi
Conyers, Chester.....Illinois
Coulter, Wilbur Edwin .....Iowa
B.S., State University of Iowa
Cress, Earl Elliott.....Iowa
Culbert, Milo Herman.....Indiana
Daly, Thomas Francis, M.D.....Illinois
Davenport, Frank Noble.....Illinois
Deason, Frank Wilhelm.....North Dakota
DeLeon, Jesse Valasques, Jr.....
.....Philippine Islands
A.B., University of Missouri
Dishmaker, Dana.....Wisconsin
Donahue, William Edward.....Wisconsin
Donlon, Thomas Henry.....Iowa
Dorsey, Thomas James.....Iowa
Dumke, Ezekiel Ricker .....Wisconsin
Duncan, William Cunningham....California
Eastman, Oscar Fred.....Kansas
A.B., University of Kansas
Elliott, Benjamin Edelstein.....Illinois
B.S., University of Chicago
Emmett, Walter Rollo.....Utah
Farnham, Waldo Clay.....Ohio
Ferguson, Edward Clifton.....Texas
Ph.M., Tulane University
Finegan, Thomas Francis, Jr.....Illinois
Flath, Milford Garbutt.....North Dakota
Foster, Jess Walter.....Iowa
Frazier, Charles.....Indiana
B.S., Purdue University
Friesen, Henry Jacob.....Minnesota
B.S., Northwestern University
Garlock, Arthur Varney.....Minnesota
Gessner, Frederick William.....Oklahoma
Ghabriel, Nasri.....Syria
Goodman, Leo Albert.....Iowa
Gosin, Donnie Francis.....Wisconsin
Green, Abraham Chester.....Illinois
Greenberg, Ira Edward.....Illinois
Gregory, James Townsend.....Illinois
Hall, John Carroll, Jr.....Illinois
Hankee, Paul Richard.....Wisconsin
Hanly, Harry Hamilton, M.D.....Illinois
Hartnagel, George.....Indiana
Hartrick, Louis Eugene.....Illinois
B.S., University of Illinois, Ph.G., Ph.C., Northwestern University
Hauch, Christian David.....Illinois
Hefty, Clarence Arthur.....Wisconsin
Hendrickson, Herman.....Wisconsin
Henney, Charles William.....Iowa
Henry, George Herbert.....Illinois
A.B., Austin College
Hodge, Stanley Vincent.....Illinois
Hoffman, Louis George.....Iowa
Hofmann, Henry.....Illinois
Holgate, Ralph Carlton.....Montana
Holmes, William Henry.....Illinois
Holmgren, Knut David.....Sweden

Hopkirk, Clarence Cowles.....Iowa
Hostetter, John Hull.....Iowa
Huber, Joseph Emil.....Illinois
Ph.G., Philadelphia College of Pharmacy
Jacobs, Edward Banjamin.....Illinois
Jirka, Frank Joseph.....Illinois
Johnson, Cecil Emerson.....Illinois
Johnson, Charles Nelson.....Kansas
Johnson, James Andrew.....Wisconsin
Joslyn, Leslie Burritt.....Illinois
Juhnke, Leo Antony.....Illinois
Kanzler, Reinhold.....Nebraska
Keener, Albert Chester.....Illinois
Knauf, Arthur John.....Wisconsin
Lake, William Henry.....Michigan
Lancaster, Jesse Samuel.....Nebraska
Lazarski, Boleslaw Karl.....Illinois
Leahy, Paul James.....Ohio
Lindsay, William Carroll.....Wisconsin
Lorimer, Wishard Speer.....Kansas
Lundby, John Langland.....Iowa
McCauley, William Bernard.....Iowa
McKinley, James Joseph.....Illinois
McManus, Joseph Peter.....Iowa
Malotte, Karl Raymond.....Missouri
Matthey, Walter Alfred.....Iowa
Matlock, Thomas T.....Kansas
Maynard, Carl Wesley.....Iowa
A.B., Morningside College
Migely, Walter Louis.....Illinois
M.D.C., Chicago Veterinary College
Miller, Samuel T.....Iowa
Moore, George Sheppard.....Tennessee
A.B., Fisk University
Moore, Homer Frank.....Illinois
Morgan, Edwin Clyde.....Kansas
A.B., University of Kansas
Mowry, William Atwood.....Illinois
Mudroch, Joseph Anton.....Wisconsin
Myers, Louis.....Illinois
Naegeli, Frank.....Minnesota
A.B., Northwestern College
Nelson, Axel Sverre.....Minnesota
Nelson, John Ernest.....Nebraska
Nix, Milton Arthur.....South Dakota
O'Neill, Christopher Sager.....Illinois
Patee, Eliphalet Thierer.....Illinois
Pfeiler, Adam George, Jr.....Wisconsin
Plenz, Henry John.....Illinois
Plummer, William Albert.....Minnesota
Pool, Clarence Gilbert.....Illinois
B.S., University of Chicago
Porter, John Rice.....Illinois
Quillin, Laurence J.....Nebraska
Rainey, Warren Robert.....Illinois
Redmond, William Henry.....Iowa
Refsdahl, Olaf.....Minnesota
Rheim, John Emmett.....Montana
Ristine, Earle Francis.....Missouri
Roberts, Edward Neuman.....Illinois
Robinson, James Henry.....Illinois
Rogde, Jacob.....Illinois
Rush, Eugene Alphonsus.....Illinois
Ph.G., Notre Dame University
Seymour, William Augustus.....Wisconsin
Shelver, Henry Julius.....North Dakota
Smith, Alfred Nelson.....North Dakota
Snyder, Karl Avery.....South Dakota
Sparling, James Lyons.....Illinois
A.B., Northwestern University
Stackhouse, Clyde Ernest.....Illinois
Stauffer, Leslie John.....Minnesota
Stevenson, Lester Alanson.....Utah
Strass, Herbert Willis.....Wisconsin
Thimlar, James Wiley.....Indiana
Ph.G., Valparaiso University
Thomas, William Allen.....Michigan
Tinker, Frank Enos.....Iowa
B.S., D.D.S., University of Iowa
Tollefsen, Adolph Dahl.....Illinois
Trainor, Clarence Alfred.....Illinois
Trekell, Emery.....Kansas
Trimble, Charles Garnet.....Canada
B.S., Northwestern University
Vallely, John Linton Joseph.....Illinois
Vance, James St. Clair.....Illinois
Van Dellen, Alfred Lubbert.....Illinois
Van Doren, Raymond Fleming.....Illinois
Violet, Josiah Claire.....Iowa
Volin, Harvey Porter.....South Dakota
Ph.G., South Dakota Agricultural College
Wanninger, Wanzel Joseph.....Wisconsin
Wayson, Newton Edward.....Maryland
Weber, Arthur Leo.....Illinois
A.B., McKendree College
Wendt, Alfred.....Illinois
Whiting, William Thomas, Jr.....Illinois
Young, Will.....Wisconsin

THIRD YEAR

Abbott, William Robert.....Illinois
Allison, Harold T.....South Dakota
Ph.G., South Dakota Agricultural College
Anderson, Harry Joseph.....Missouri
Anderson, Marion Ellsworth.....Iowa
A.B., Iowa Wesleyan University
Andres, Lasar Aaron.....Russia
Apple, William Rufus.....Illinois

Arndt, Harry William.....Minnesota
Arnson, Julius Ord.....Wisconsin
Ausman, Carl Frederick.....Wisconsin
Baker, Glenn Llewellyn.....Minnesota
Batt, George William.....New York
Beck, Wilford William.....Utah
Belding, Clifton LeRoy.....Iowa
Bell, Herbert Yeomans.....Colorado
B.S., Northwestern University
Bell, Lewis Barclay.....Colorado
A.B., Northwestern University
Best, Floyd Ellsworth.....Illinois
Bevins, Nathan Sidney.....Iowa
B.S., University of Iowa
Black, John Roland.....Iowa
Blahnik, Karel Bartholmae.....Illinois
Ph.G. University of Illinois
Bly, Frederick Harvey.....Illinois
A.B. De Pauw University
Boon, Alfred Henry.....Illinois
Bowman, Galen Faro.....Ohio
Boyden, Guy Lee.....South Dakota
B.S. South Dakota Agricultural College
Brian, Frederick Willard.....Illinois
B.S. Illinois Wesleyan University
Brown, Eugene Harold.....Colorado
Brown, Frederick Willard.....Indiana
Buchbinder, Jacob Richter.....Illinois
A.B. Northwestern University
Campbell, Guy Edward.....Minnesota
Chase, Martin Rist.....Illinois
M.S. Northwestern University
Christiansen, George.....Wisconsin
Coffey, Roy Calhoun.....Illinois
B.S. Northwestern University
Cole, Harold Paul.....Iowa
Collins, Francis Augustine.....New York
Condon, John Joseph.....Illinois
Cooley, Arthur Dike.....Utah
Cooper, Thaddeus Constantine.....Iowa
Crow, Lloyd Benjamin.....California
Cruz, Adriano Talbos.....Philippine Islands
Curtis, Asa Lyman.....Utah
Deal, John Francis Henry.....Illinois
Dearborn, Walter Fenno.....Illinois
Ph.D. Columbia University
Diers, Harry Frederick.....Nebraska
Dooley, Harry Joseph.....Illinois
Drissen, William Henry.....Wisconsin
Empie, William Maxwell.....Illinois
Fountain, Edwin Ray.....Oregon
A.B. University of Oregon
Frazin, Nathaniel Daniel.....Illinois
Frisque, Louis Leon.....Wisconsin
D.D.S., B.S. Marquette University
Fry, John Lewis.....Wisconsin
Galbreath, Russell Sheridan.....Indiana
Gandynski, Wenceslas Michael....Wisconsin
Ghent, Charles Harry.....Illinois
Gillette, Charles Lupton.....Iowa
Given, Milton Abe.....Indiana
Glafke, William Harley.....Washington
A.B. University of Oregon
Goodman, Charles.....Illinois
Gunderson, Harley James.....Wisconsin
Gutierrez, Perpetuo Dionisio.....
Philippine Islands
Hall, Clarence Walter.....Illinois
Hall, Frank Wilford.....Illinois
Hamilton, William Forrest.....Illinois
Hammer, Arthur Wesley.....Illinois
Hanson, Adolph Melanthcthon...Minnesota
Hauberg, George David.....Iowa
Heller, Frederick Merwin.....Colorado
B.S. Northwestern University
Henkel, Herbert Bailey.....Illinois
Hesner, George Earl.....Iowa
Hobbs, Charles Alfred, Jr.....Illinois
A.B. Brown University ...
Hole, Melvin Leo.....Illinois
Holmes, William Hammond.....Illinois
Howell, Chauncey Wyckoff.....Kansas
B.S. Knox College
Ingle, Ernest Wilfred.....South Africa
Jackson, Alva Albertus Sudbury.....Utah
James, Harry Lorenzo.....Illinois
James, John Barlow.....North Dakota
James, Willliam Alfred.....Illinois
Johnson, Edward Enoch.....California
Ph.G. University of California
Johnson, Norton Theodore.....Minnesota
Johnston, Louis Campbell.....Illinois
Jones, Jay Glen.....Ohio
Julien, Eric Alfred.....Minnesota
King, William Scott.....Illinois
Krzysko, Stanley Leon.....Wisconsin
Lacey, Martin J.....Washington
Ph.G. University of Washington
Lagorio, Frank Ambrose.....Illinois
A.B. St. Ignatius College
Lande, Benjamin.....Minnesota
Leaf, Hugh Mack.....Illinois
Lee, William Andrew.....Illinois
A.B. Central Normal College
Leininger, Elmer Clyde.....Indiana
Leviton, Nathan David.....Illinois
McKinney, Frank Stewart.....Illinois
A.B. Illinois College
Mabee, Melbourne.....Wisconsin
Macklin, Robert Kirkpatrick.....Illinois

Maechtle, Everett Woods.....Wisconsin
Magnus, Adolph Marinius.....Norway
Meixner, Fred Morris.....Illinois
Ph.G. University of Illinois School of Pharmacy
Mendelson, Ralph Waldo.....Colorado
Merbitz, Martin Henry.....Illinois
Miller, John William.....Pennsylvania
Moyes, George Gowans.....Utah
Murphy, John Clarence.....Wisconsin
Murphy, Lea Marion.....Minnesota
Murphy, Walter Waugh.....Kansas
A.B. Northwestern University
Nardi, John Baptist.....Illinois
Neilson, Moses Marion.....Utah
Newton, Abe Mark.....Illinois
Nichols, Robert Columbus.....Iowa
A.B. Morningside College
Nusbaum, Payson La Vern.....Indiana
B.S. Northwestern University
O'Donoghue, Thomas Joseph.....Illinois
O'Meara, James John.....Michigan
O'Neill, Eugene John.....Illinois
A.B. St. Ignatius College
Orr, Wesley Frederic .....Utah
Parker, Harry Counter.....Indiana
Patejdl, James.....Illinois
Ph.G. University of Illinois College of Pharmacy
Patton, Ambler Baxter.....Utah
B.S. Northwestern University
Peterson, Frederick Leander.....Utah
Pitts, Gaylord Eugene.....Wisconsin
Reed, Stanley Goodrich.....Kansas
Ritze, John Adam.....Missouri
Rolnick, Harry Charles.....Illinois
Ross, Hiram Earl.....Illinois
Salter, Ney Milton.....Illinois
B.S. Hedding College
Schmidt, Karl Herman.....Illinois
Schnoor, Elmer Wellpott..... .Nebraska
Schultz, Albert Andrew.....Iowa
Schulz, Otto Henry.....Germany
D.D.S. Northwestern University
Schurmeier, Harry Leach.....Minnesota
Schwartz, William Augustus.....Wisconsin
B.S. Ohio Northern University
Seeger, Stanley Joseph.....Wisconsin
Shalett, Benjamin Joseph.....Minnesota
Shiley, Jo Riegel.....Iowa
Shirley, John Chandler.....South Dakota
Shreffler, Arthur Lee.....Illinois
Sincock, Henry Arthur.....Minnesota
Smith, Clyde Tennyson.....Washington
Sorgatz, George Frederick.....Kansas
Spurbeck, Roy George.....Minnesota
Stewart, Lynn D.....Utah
Stocks, John Carter.....Utah
Stranberg, Walter Leonard.....Illinois
Strauss, Chan Walter.....Iowa
Stuhr, Walter Anthony.....Iowa
B.S., D.V.M. Iowa State College
Sutton, Don Carlos.....Illinois
Sybenga, Jacob John.....Iowa
Tressel, Henry Arthur .....Indiana
Van Rie, Leo Paul.....Indiana
Ph.G. Notre Dame University
Vermeer, Gerrit Edward .....Iowa
Watters, Henry Gustav.....California
Wessels, Andrew Benjamin.....Michigan
Williams, Percival Milton.....South Dakota
B.S., Ph.G. South Dakota Agricultural College
Winter, George Victor.....Minnesota
Witcpalek, William Wencel.....Wisconsin
Wolfermann, Sidney Jonas.....Illinois
Woodward, Asa George.....Montana
Wright, Edward Blake.....Canada
Yeck, Charles Walter.....Illinois
A.B. University of Illinois
Yonan, Nabey.....Persia
A.B. Uroomian College, Persia

SECOND YEAR

Abramsky, William Alexander.....Illinois
Alcock, Nathaniel Graham.....Wisconsin
M.S. Northwestern University
Armstrong, Walter Waldo.....Ohio
Badcon, Sidney Watson.....Utah
Bane, William Mathews.....Colorado
B.S. Princeton University
Benyas, Nathan Morris.....Wisconsin
Bice, Delmar Foster.....Iowa
Bleifuss, Walter Franklin.....Illinois
Bohling, Bernard Stanton.....Illinois
Boren, John William .....Wisconsin
B.S. Northwestern University
Bucher, Claude Earle.....Illinois
Cartwright, Emor Lopp.....Ohio
Cotton, Wendell.....Wyoming
Cummins, Erwin Jephtha.....South Dakota
Davis, James Robert.....Missouri
Devers, Washington Irving....South Dakota
Eberhard, Frederick George.....Indiana
Eckstein, Arthur William.....Minnesota
Ph.B. University of Minnesota

Flack, William D.....Ohio
Flynn, Leo Howard.....Illinois
Freed, John Elias.....Indiana
Fruth, Virgil Jaye.....Ohio
Gibson, Willis Stanley.....Illinois
A.B. De Pauw University
Goenne, William Carl.....Iowa
Goodman, Jacob.....Illinois
Ph.G. University of Illinois School of Pharmacy.
Gunn, Neil Mackay.....Illinois
Guthrey, Claud Simpson.....Missouri
Hagerty, Thomas Walter.....Illinois
Hallberg, John William.....Michigan
Hardy, Oscar Roi.....Utah
Harrington, Raymond Regan.....Illinois
Hayes, Daniel Francis.....Illinois
Heller, Matthew, Jr.....Kansas
D.D.S. Northwestern University
Herr, Albert Harry.....Illinois
Hester, Ralph Nelson.....Illinois
Hirschle, Harry Griffith.....Illinois
Hoesley, Henry Franklin.....Illinois
Hornsby, Hubert Primm.....Illinois
Jacobs, Frederick Caspar.....Illinois
A.B. De Paul University
Jaros, Joseph Francis.....Illinois
Johnson, Roy Winton.....Indiana
B.S. Central College
Klamt, Anton Carl, Ph.G.....Nebraska
Knapp, Arthur Leroy.....Indiana
D.D.S. Chicago College of Dental Surgery
Laraway, Charles Riley.....Iowa
McGuire, William Aloysius.....Illinois
A.B. St. Viateur College
McLaughlin, Warren Bastian.....Illinois
Macer, Clarence Guy.....Indiana
Markson, David Edmund.....Illinois
Marrs, Frederick Adison.....Illinois
Ph.G. Purdue University
Michael, Herman Charles.....Indiana
Ph.G. University of Iowa
Morgan, Ben.....Illinois
Moss, Charles Taylor.....Illinois
A.B. University of Illinois
Mostrom, Henning Theodore.....Illinois
Neal, William Bartle.....Oregon
A.B. University of Oregon
Oliver, Marcus Solomon.....Iowa
Ovitz, Ernest Gayheart.....Wisconsin
Packard, Robert Goodale.....Colorado
A.B. University of Colorado
Parks, Charles William.....Nebraska
Perkins, Edgar Verne.....Illinois
B.S. Central Normal College
Porter, James Arthur.....Iowa
Ph.G. Highland Park School of Pharmacy
Printy, Emmett Anthony.....Illinois
Robertson, Arthur Thomas.....Illinois
Roche, Richard Ambrose.....Illinois
Rudolph, Louis.....Illinois
Samson, Bernardo.....Philippine Islands
Ph.G. Northwestern University
Schwerdtfeger, Frank D.....Iowa
Scott, Leonard Chase.....Illinois
Ph.D. Berlin University
Smith, Charles Henry.....Illinois
Spearman, Harry Hutchinson.....Illinois
Sullivan, Charles Peter.....Illinois
Sumkowski, Leonard Sylvester.....Illinois
Taylor, William Ray.....Oregon
A.B. University of Oregon
Thompson, William John.....Wisconsin
Tilton, Welcome Blaine.....Missouri
A.B. William Jewell College
Tir, Morris.....Russia
Turner, Gus Burton.....Illinois
Van Alstine, Guy Sherman....South Dakota
Vaughan, Orley Mason.....Michigan
Wedel, Frank Leroy.....Illinois
Woodward, Frank Albert.....Montana

FIRST YEAR

Alderson, Albert Lee.....Illinois
Bell, James Stewart.....Nebraska
Bartling, Carl Herman.....Illinois
Bolstad, Herbert Clarence.....Illinois
Boodel, John Cullen.....Illinois
Boody, Fred Joseph.....Iowa
Breitling, Carl Adolph.....Iowa
Brown, Earle Godfrey.....Kansas
Burke, Gordon.....Washington
A.B. Washington State University
Casey, Clyde Lowe.....Illinois
Cobb, Ralph Benjamin.....Illinois
Conley, Willard Thomas.....South Dakota
Conners, Ambrose Vaughan.....Illinois
Curtis, George Nathaniel.....Utah
Curtis, Roswell Goodrich.....Illinois
Del Beccaro, Edward Vincent.....Illinois
A.B. St. Ignatius College
Drew, Arthur Wheeler.....South Dakota
Ph.G. South Dakota Agricultural College
Edison, Isador Arthur.....Illinois
Farnham, Harry Rathbun.....Ohio
Felts, Hawly Austin.....Illinois
Fenn, George Karl.....Wisconsin

Fillis, Benjamin Earl.....Iowa
Fouser, Chester Watson.....Illinois
Frazer, Jay.....Minnesota
Friedstein, Hugo.....Wisconsin
Gray, Herbert Weir.....Illinois
Griffin, Patrick Joseph.....Illinois
Gueffroy, Herman August.....South Dakota
Hammond, Francis Peery.....Oregon
Hawthorne, Roy Otway.....Illinois
Hilton, Joseph Jacobson.....New Mexico
Hogue, Hal Wyman.....Ohio
Hudson, Harry Hackney.....Kansas
Hutter, Charles George.....Illinois
Isacowitz, Harry Theabus.....Illinois
Jamieson, Roy Ross.....Minnesota
Ph.C. University of Minnesota
Kahn, Jacob.....Illinois
Keim, Ralph Waldo.....Illinois
Knisely, Benjamin Anthony.....Indiana
Lebovitz, Jacob.....Illinois
Lewis, William Delbert.....Indiana
D.D.S. University of Indianapolis
Lezama, Joseph Elias.....Illinois
McKenna, Charles Hugo.....South Dakota
Magee, Ira Joseph.....Iowa
Mangan, Louis Aloysius.....North Dakota
Mason, Madison Charles Butler.....Ohio
Nast, Ernest Henry.....California
Nedry, Galen Claudius.....Wisconsin
Nilsson, Martin Morris.....Iowa
O'Brien, Louis Thomas.....Indiana
Pfeifer, Andrew Saemann.....Wisconsin
Pfeifer, Edward Charles.....Wisconsin
Phalen, Charles Stephen.....Illinois
Ph.G. Northwestern University
Piper, William Albert.....Illinois
Rashid, Lutf Joseph.....Syria
Rest, Oscar Walter.....Iowa
A.B. Charles City College
Rosenblum, Philip.....Illinois
Ryan, Albert Freeman.....Tennessee
Scantleton, John Martin.....Wisconsin
Scott, Russell Adams.....Indiana
A.B. Lake Forest University
Siegel, Abraham Morris.....Illinois
Stafford, Charles Floyd.....Washington
Ph.C. University of Washington
Steele, Pierre Abel.....Illinois
Thurman, William Lowell.....Mississippi
B.S. Alcorn A. & M. College
Van Dusen, Arthur.....Oregon
Vangsness, Ingmar.....Minnesota
Van Hook, Forest Clyde.....Illinois
A.B. University of Illinois
Young, Joseph Howard.....Wisconsin
Young, James McClain.....Illinois

MATRICULANTS NOT IN ATTENDANCE

Butler, William Orner.....Illinois
Dorr, Addison.....Illinois
Flynn, Robert E.....Wisconsin
Honoroff, Henry A.....Illinois
Hull, F. M.....Illinois
Johnson, William J.....Iowa
Knudson, Lars.....Iowa
Nadler, Walter Hermann.....Illinois
Rupert, William H.....Nebraska
Wright, W. W.....Canada

UNCLASSIFIED STUDENTS

Frey, Arthur Garfield.....Illinois
Hofrichter, Joseph.....Illinois
Isherwood, Paul Alonzo.....Illinois
Kirmse, Alvin.....Wisconsin
Nyberg, Charles Robert.....Minnesota
Preston, Frenn Lesley.....Michigan
Schleuter, Reinhold.....Illinois
Wilkinson, Barclay.....Illinois
Ph.G. Northwestern University

SPECIAL STUDENTS

Armstrong, Edward Kent, M. D.....Illinois
Barney, Reuben.....Nebraska
Blackstone, G. R.....Illinois
McGuane, Francis Xavier.....Illinois
B.S. University of Chicago
Nibley, J. O.....Illinois
Ross, J. G., M. D.....Iowa

TRAINING SCHOOL FOR NURSES

Adamson, May Belle, Mercy.....Illinois
Ainsworth, Clara, Wesley.....Illinois
Anderson, Myrtle, Wesley.....Indiana
Baldwin, Elizabeth, Wesley.....Wisconsin
Baldwin, Elizabeth, Wesley.....Iowa
Barnes, Elizabeth, Mercy.....Indiana
Beaver, Agnes, Wesley.....Indiana
Benedict, Lilian, Wesley.....Iowa
Black, Bess, Wesley.....Indiana
Brandt, Lena, Wesley.....Illinois
Brookheart, Della, Wesley.....Iowa
Buck, Genevieve, Mercy.....Iowa
Cahill, Bess, Mercy.....Illinois
Clapp, Pearl, Wesley.....Iowa
Conner, Isabelle, Mercy.....Illinois
Connors, Ada, Mercy.....Illinois
Connors, Margaret, Mercy.....Illinois
Cottrell, Marie, Wesley.....Illinois
Crowe, Blanche, Mercy.....Wisconsin
Cummings, Margaret, Wesley.....Indiana
Dorsey, Josephine, Mercy.....Nebraska
Dunn, Marian, Wesley.....Illinois
Dupre, Anne, Mercy.....Illinois
Erlandson, Alfrieda, Wesley.....Michigan
Fenby, Carrie, Wesley.....Canada
Finley, Harriet, Wesley.....Iowa
Frechette, Pearl, Mercy..... Wisconsin
Frenier, Matilda, Mercy.....Illinois
Gage, Lena, Wesley.....Missouri
Greenwood, Libbie, Mercy.....Illinois
Gregg, Cleo, Wesley.....Illinois
Gustafson, Clara, Wesley.....Illinois
Hanchatt, Lou, Wesley.....Iowa
Heath, Clara, Wesley.....Colorado
Heinrich, Emma, Wesley.....Iowa
Hemmons, Hazel, Mercy.....Illinois
Hennessy, Margaret, Mercy.....Illinois
Herron, Hazel, Wesley.....Illinois
Hodges, Bessie, Mercy.....Illinois
Howe, Minnie, Wesley.....Illinois
Isaacson, Alice, Charity.....Illinois
James, Ada, Mercy.....Illinois
Kandels, Ernestine, Mercy .....Michigan
Knudson, Anna, Wesley.....Illinois
Lynch, Marie, Mercy.....Illinois
Mack, Pauline, Mercy.....Illinois
Man, Jean, Wesley.....Canada
McAuliffe, Irene, Mercy.....New York
McCall, Emma, Wesley.....Iowa
McIntyre, Marie, Wesley.....Kansas
Miller, Nell, Wesley.....Indiana
Miller, Veronica, Mercy.....Kansas
MacVicar, Ella, Mercy.....Canada
Odell, Minnie, Wesley.....Illinois
O'Leary, Agnes, Mercy.....Illinois
Parks, Crystal, Mercy.....Indiana
Pelstring, Elsie, Mercy .....Illinois
Peterson, Marie, Wesley.....Wisconsin
Pitts, Leora, Wesley.....Wisconsin
Raduns, Clara, Mercy.....Illinois
Reder, Ludaviga, Wesley.....Illinois
Redmann, Della, Wesley.....Michigan
Redmann, Hulda, Wesley.....Michigan
Reed, Margaret, Mercy.....Illinois
Reher, Anna, Mercy.....Illinois
Rumley, Lola, Wesley.....Illinois
Robb, Isabelle, Mercy.....Ohio
Schneidau, Ingeborg, Wesley.....Minnesota
Schneider, Elizabeth, Mercy.....Illinois
Smith, Anna, Wesley.....Illinois
Smith, Della, Wesley.....Ohio
Sperry, Celestine, Mercy.....Iowa
Sullivan, Catherine, Mercy.....Illinois
Sullivan, Ella, Mercy.....Illinois
Swan, Belle, Wesley.....Iowa
Tafts, Gladys, Wesley.....Canada
Van Reeth, Josephine, Mercy.....Illinois
Weber, Adeline, Mercy.....Illinois
Weideranders, Eleanor, Wesley.....Iowa
Welch, Marietta, Wesley.....Illinois
Wigton, Flora, Wesley.....Iowa
Williams, Maude, Wesley.....New York
Wilson, Kathryn, Mercy.....Iowa
Wilson, Lily, Wesley.....Wisconsin
Yoder, Lettie, Wesley.....Indiana

Law School

LIST OF STUDENTS OF THE ACADEMIC YEAR 1908-1909 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Blake, Tiffany.....Chicago
Dempsey, Charles Andrew....West Chicago
Dill, Erritt Beveridge.....Logansport, Ind.
Fischer, Augustus R.....Chicago
Harwood, Francis Laird.....Chicago
Howison, Hugh Alexander .....Chicago

Johnson, Clyde Philip.....Carthage
Kendall, William Rufus.....Watseka
King, John Crane, Jr.....Chicago
Kosmer, Francis S.....Italy
MacDonald, Torrance H.....Blue Island
Markham, Frank Henry.....Chicago
Miller, Roy Irving.....Rockford
Perrill, Rodney N.....Chicago
Resnick, Irving Joseph.....Chicago
Rogers, John Harold.....Alexis
Tuttle, Oral Percival.....Harrisburg
Weichbrodt, Rudolph Charles.....Chicago

REGISTER OF STUDENTS 1909-1910

THIRD YEAR

Ackerman, Benjamin P.....Russia
Adams, Thomas Edward, University of Iowa; Northwestern University....Marshalltown, Iowa
Adamson, Alfred Brian, Oshkosh Normal School.....East Chicago
Allaben, Max Fennimore, A.B. Amherst College.....Polo
Amberg, Edmund Marshall.....Chicago
Anderson, Leonard Earl.....Anamosa, Iowa
Allen, Charles Thomas.....Cary
Baker, Hart Edward, Ph.B. University of Chicago.....Chicago
Bamberger, Eugene Julius.....Chicago
Beers, Roscoe Wendell.....St. Joseph, Mich.
Berg, William Gordon, Northwestern University.....Chicago
Bird, Joseph Vincent, University of Washington.....Snohomish, Wash.
Cavanagh, Richard Parkinson.....Kenosha, Wis.
Cawley, Verne G., University of Indiana.....Elkhart, Ind.
DeLany, Clarence Martin, A.B. University of Illinois.....Chicago
Dinkelman, Harry Alfred.....Chicago
Engel, Albert Joseph.....Kingsley, Mich.
Feldman, Edward Theodore.....Chicago
Foster, Lucius Newton.....Marshfield, Wis.
Johnson, George Cornelius, Illinois College of Law.....Chicago
Johnson, Harry McClure, A.B. Princeton.....Peoria
Jordan Carl Francis, A.B. Northwestern University.....Burlington, Iowa
Kay, Wilfred Stearns, Northwestern University.....Watseka
King, John Crane, Jr.....Chicago
Krause, Herbert Charles.....Milwaukee, Wis.
Kuhn, Jacob Paul, Wheaton College.....West Chicago
Landee, Frank Julian, A.B. Augustana College.....Moline
Leonard, Morris L.....Chicago
Levin, Samuel, University of Illinois.....Danville
Lockart, Mont Griffith, B.S. Valparaiso University.....Vandalia
Long, William Henry, B.S. Northwestern University.....Marshalltown, Iowa
Loucks, Vernon Reece, A.B. Northwestern University.....Chicago
Lutkin, Harris Carman, A.B. Northwestern University.....Evanston
Martin, Charles Chester, University of Chicago.....Oak Park
Marvin, Arba Bryan, B.S. University of Wisconsin.....Oregon, Wis.
Marx, August, Jr., Lewis Institute.....Chicago
Murray, Sidney Charles, Ph.D. Yale University.....Davenport, Iowa
Myers, John Ward, University of Chicago.....Chicago
Ogden, Dayton.....Tiskilwa
Palmer, Ernest, A.M. Lake Forest University.....Lake Forest
Payne, Ben, University of Illinois.....Rockford
Phillips, George Elmendorf.....Highland Park
Purcell, Charles Dean, University of Illinois; Stanford University.....Taylorville
Rein, Theodore Edwards, University of Chicago.....Chicago
Riley, Thomas Henry.....East Chicago

Rosenberg, Joseph.....Denver, Colo.
Satterlee, Roscoe Earl, Ph.B. Dakota Wesleyan University.....Mitchell, S. Dak.
Schmidt, Frederick Conrad Gottlick.....Aurora
Simon, Ben.....Chicago
Six, Rollo, Northwestern University.....Perry
Spaulding, Edward Leslie.....McGregor, Iowa
Stanley, Edgar Verne.....Prescott, Iowa
Stern, Oscar David, University of Chicago.....Chicago
Stewart, Benjamin Alter.....Maywood
Stretton, Frank Peter.....Chicago
Treadwell, Charles Alonzo.....Elgin
Tuthill, Richard Stanley, Jr., A.B. Williams College.....Chicago
Van Dellen, Elzo Lubbert, A.M. University of Denver.....Chicago
Vent, Thomas G., LL.B. Lake Forest University.....Chicago
Wakefield, Nathan Ruthvan, A.B. University of Illinois.....Chicago
Walsh, James Madison, A.M. St. Mary's College.....Washington, Ind.
Wendland, Charles John, B.S. Northwestern University.....Chicago
Wheeler, Robert Campbell, A.B. Yale University.....Chicago
Whitson, Thomas Merrick, A.B. Northwestern University.....Chicago
Wilkinson, Earl Brown, Lewis Institute.....Chicago
Wolf, Walter Bertram, A.B. Yale University.....Chicago
Yantis, Aubrey Leon, University of Colorado.....Shelbyville
Yott, Frank Daniel.....Chicago

SECOND YEAR

Baker, James C., Northwestern University.....Garrett, Ind.
Bates, Alben Frederick, Lake Forest University.....Elmhurst
Brickwood, Blaine Jackson, A.A. Lewis Institute.....Chicago
Churchill, Fred, A.B. Lake Forest College.....Joliet
Clarke, Michael James.....Clinton, Iowa
Cody, Hiram Sedgwick, A.B. University of Michigan.....Chicago
Cummings, William L.....Clinton, Iowa
Dill, Erritt Beveridge, Tri-State Normal College.....Logansport, Ind.
Douglas, Clarence H., University of Illinois.....Normal
Economoft, Dimitri, Valparaiso University.....Troian, Bulgaria
Evans, Donald Winslow, Northwestern University.....Evanston
Fink, Arthur Harry.....Chicago
Fox, Daniel Bass.....Louisville, Ky.
Frazier, Herbert Lyman Thomas.....Lost Nation, Iowa
Gemmill, John Richard, University of South Dakota.....Canton, S. Dak.
George, Raymond Henry, University of Wisconsin.....Monticello, Iowa
Harwood, Francis Laird, A.B. Northwestern University.....Wesley, Iowa
Helander, William Eugene.....Chicago
Herman, Maxwell.....Chicago
Hochbaum, Edward Abraham.....Chicago
Hoffman, Richard Yates, B.S. Hobart College, Cornell University.....Chicago
Hollett, George Lyon, Yale University.....Evanston
Howard, Earl Edwin, University of Nebraska.....Lincoln, Neb.
Hoy, Alfred C.....Naperville
Kraus, Samuel.....Chicago
Large, Shelby LaVerne, A.B. Leland Stanford University.....Owaneco
Love, Stephen.....Chicago
Loy, Charles Edward.....Snohomish, Wash.
Lucius, Edward Bulnes, A.B. University of Michigan.....Summit, New Jersey
McCollam, James Francis, St. Vincent's College.....Chicago

McDermott, Thomas Franklin, University of Wisconsin.....Darlington, Wis.
McKinstry, Irvin Roy.....Beaver Dam, Wis.
McWilliams, Charles Milton.....Waco, Texas
Mallek, Leo S.....Chicago
Merrick, Clinton, A.B. Yale .....Evanston
Middleton, Samuel Dale, Lewis Institute.....Oak Park
Mirus, James Oscar.....Virden
Morgan, George Gurnea, B.S. Wheaton College .....Wheaton
Muehlenbrink, Otto William.....College Point, N. Y.
O'Donohue, Sylvester Aloysius, A.B. St. Mary's College .....Chicago
Parish, Cheaney Land.....Harrisburg
Peifer, Edwin Tice, University of Michigan.....Chicago
Pio, James Percival, Lewis Institute.....Chicago
Ramacitti, Frank Anthony.....Chicago
Reinke, Julius.....Marinette, Wis.
Rommel, Jasper Frederick, B.S. Northwestern University .....Bloomington
Ruffcorn, George W., Yale University.....Chicago
Schaeffer, Morris.....Chicago
Schmidt, Royal Joe, Lewis Institute.....Davenport, Iowa
Schupp, Robert William.....Chicago
Schwarer, Frank Benjamin.....Chicago
Shannon, Frederick Edward, A.B. Lake Forest University .....New Philadelphia
Smith, George Dresser, Ph.B. Sheffield Scientific School .....Chicago
Stahl, Floyd Meloy, A.B. Northwestern University .....Augusta
Stenge, Bernhard.....Chicago
Stuart, Allison Ellsworth, A.B. Princeton University .....LaFayette, Ind.
Stubbs, Donald Patterson, B.S. Nevada State University .....Chicago
Tascher, John Ralph, A.B. New Mexico State University .....Chicago
Waldron, Carl Augustus, Illinois State Normal.....Chicago
Walker, Joel Phillips, Bethel College.....Horn Lake, Miss.
Watson, Charles Hamilton, A.B. Northwestern University .....Monon
Wermuth, William Charles, Jr., B.S. Northwestern University .....Chicago
Whipple, Merrick Ames.....Chicago
Williams, Henry Dwight, University of Nebraska.....Raymond, Neb.
Wolf, Alexander.....Chicago
Wynkoop, William Wilford, A.B. Yale University .....Seattle, Wash.
Wynne, Lloyd.....Chicago

FIRST YEAR

Anderson, Douglas, University of Wisconsin.....North Crandon, Wis.
Anderson, Edgar Mauritz, University of Illinois.....Batavia
Atwood, Ivan, J.B., Northwestern University .....Chicago
Bierivert, Don J.....Wilmette
Bowen, Fred Henry.....Chicago
Bowers, George Augustus.....Chicago
Broehl, Leland Peter, Northwestern University.....Pana
Brooks, James William, St. Ignatius College.....Chicago
Butler, Francis Peabody, A.B. Yale University .....Winnetka
Byrd, Joseph Lawrence, State University of Idaho.....Jordan Valley, Ore.
Callaghan, James.....Fanavalty, Ireland
Canfield, Wren Manley, Northwestern University.....Murray, Iowa
Cascaden, Gordon Leroy.....Iona, Ontario, Canada
Chayes, Harold Irving.....Chicago
Christopher, Otto William.....Chicago
Clark, Homer Harrison, Northwestern University.....Onarga

Cleary, Lee Vincent, A.B. St. Mary's College ..... Odell
Cohen, Jacob, University of Chicago ..... Chicago
Cossitt, George Marshall ..... La Grange
Crawford, Milton Arthur ..... Franklin Grove
Dillon, William Henry, A.B. DePaul University ..... Chicago
Donnelly, John Carroll ..... Chicago
Drake, Jacob Raleigh ..... Lovington
Driffein, Robert, A.A. Lewis Institute ..... Oak Park
Early, Benjamin Blakeman, Northwestern University ..... Rockford
Eberstein, Clyde ..... Chicago
Elliott, Clarence Edward, Ferris Institute ..... Edmore, Mich
Elliott, Edgar John ..... West Chicag
Ernest, Robert Kirkbride, State University of Oklahoma ..... Oklahoma City, Okla.
Farrell, Edward James ..... La Grange
Finney, Walter Nichols ..... Chicago
Fisher, George Farnsworth, Cornell University ..... Chicago
Fallansbee, Merrill Middleton, B.S. Dartmouth College ..... Highland Park
Fowler, Glesner ..... Clinton, Nev.
Freedman, Sam ..... Chicago
Gardner, John Dunham ..... Dillonvale, Ohio
Geiman, Louis Harold ..... Harvey
Gibson, Robert McNelley ..... Upper Sandusky, Ohio
Gilman, Owen Douglas ..... Goodland, Ind.
Gladstone, Meyer Herman, University of Chicago ..... Chicago
Graves, Marshall N. ..... Chicago
Greathouse, Joseph Felix, Kentucky State University ..... Versailles, Ky.
Green, Hugh Parker, A.B. University of Illinois ..... Nashville
Gurley, Gladstone Eusebius ..... Canton, Nev.
Hagerman, Harry Edwin, Northwestern University ..... Mondon, No. Dak.
Hansen, Leonard Andrew ..... Leland
Hawxhurst, Waldo, Northwestern University ..... Chicago
Healea, George Thompson ..... Uhrichsville, Ohio
Hennings, Abraham James, A.B. Lake Forest University ..... Barrington
Herr, Simon ..... Chicago
Hoelscher, Francis Frederick, University of Michigan ..... Chicago
Hoffman, Harold ..... Chicago
Hubbard, John Darrow, A.B. Lake Forest University ..... Lake Forest
Hurzagh, Victor Lee, Amherst College ..... Chicago
Hutchinson, Everett Ross, Ph.B. Iowa State University ..... Allerton, Iowa
Jenkins, Roger Philip, Northwestern University; Knox College ..... Peoria
Johnson, Charles Elmer ..... Chicago
Johnston, Thomas Robert, Northwestern University ..... Milan
Kalbfell, David Martin ..... Chicago
Kelly, John Edward, A.B. DePaul University ..... Chicago
Keyes, Carlyle Marlett, University of Chicago ..... Chicago
Kohn, Louis ..... Chicago
Kosmerl, Francis S., Gregorian University, Rome, Italy ..... Chicago
Kotz, Raymond Casler, B.S. Northwestern University ..... Chicago
Kunz, Medard, Alexander ..... Chicago
Leviniski, Alexander ..... Butte, Mont.
Lewis, Vernon Eddy, Northwestern University ..... Fort Benton, Mont.
Long, Albert Stoneman, A.B. University of Chicago ..... Chicago
Lynde, George Pleasants, A.B. Williams College ..... Chicago
Lyons, John Carmon ..... Chicago
Lyons, Thomas Francis ..... Chicago

McAuley, Arthur Joseph.....Chicago
McGinnis, F. Landon, A.B. Ogden College.....Bowling Green, Ky.
McKenna, Harold Vincent.....Chicago
Manning, Arthur Francis.....Quincy
Mattinson, M. Clarence, Culver Military; University of Chicago.....Gibson City
Mill, Thomas William, De LaSalle Institute.....Chicago
Mercer, Henry Dave, Peabody College.....Mt. Pleasant, Tenn.
Miller, Arthur LeRoberts, University of Illinois.....Arcola
Miller, James Arthur.....Russia
Miller, Roy Irving, Northwestern University.....Rockford
Moore, Paul, A.B. Yale College.....New York City
Murray, Walter Allen, University of Illinois.....Traverse City, Mich.
Navigate, Frank Paul Anthony.....Chicago
Nelson, George Howell.....Spring Valley
Odell, Carl Luther, Northwestern University.....Waterloo, Iowa
O'Toole, Lawrence James, A.B. DePaul University.....Chicago
Pincus, Sam.....Chicago
Rathmann, Louis.....Milwaukee, Wis.
Reinhart, Otto Edwin, Illiniois State Normal University.....Freeburg
Reinwald, Charles Anthony.....Chicago Heights
Resnick, Irving Joseph, University of Chicago.....Chicago
Ross, James Allen, University of Chicago.....Chicago
Savary, Adhemar Joseph, St. Viateur's College.....Kankakee
Shutts, Carleton Andrew, Northwestern University.....Aurora
Smith, Otis Edwin, University of Chicago.....Chicago
Teed, Edward, Iowa State Normal; Northwestern University.....Collins, Iowa
Thomson, Melville Ray.....Chicago
Thompson, Glenn Alexander.....Chicago
Thulin, Fred.....Chicago
Tiedebohl, Edward Robbins, University of Chicago.....Chicago
Tucker, Hyman.....Chicago
Tuttle, Oral Percival.....Harrisburg
Utendorfer, George Wilbur, University of Minnesota.....Minneapolis, Minn.
Utendorfer, Ray Elsworth, University of Minnesota.....Minneapolis, Minn.
Veeder, Paul Lansing, A.B. Yale University.....Chicago
Weisberg, Albert.....Chicago
Westbrook, Ira Edward, Northwestern University.....Mansfield, Mo.
Wheelock, John Grey.....Hulls
Wood, William Galloway, Northwestern University.....Chicago

COURSE IN GENERAL PRACTICE

Andrews, Anna M., LL.B. John Marshall Law School.....Scotland
Andrews, Hiram Wells, Knox College.....Geneseo
Amberg, Walter Arnold.....Chicago
Bernstein, Aleck L.....Chicago
Blake, Guy M., A.B. Northwestern University.....Auburn, Ind.
Callahan, Jaes E.....Spencer, Iowa
Church, Ralph Edwin, A.B. University of Michigan; LL.B., A.M. Northwestern University
Catlin
Clarke, Arthur, LL.B. University of Michigan.....Chicago
Cohen, George Bernard, Ph.B. University of Chicago.....Chicago
Crull, Norris Elliott.....Chicago
Daniher, Patrick F., St. Viateur's College.....Chicago
Dixon, Millard I., Northwestern University.....Kankakee
Dunne, Edward F., Jr., LL.B. University of Michigan.....Chicago

Eisendrath, David S., Ph.B. University of Chicago ..... Chicago
Fales, James T., Harvard University ..... Lake Forest
Falk, Lester Leopold, Ph.B. Brown University; LL. B. Harvard University ..... Chicago
Guenther, Christian F. ..... Peru
Hagberg, John S., John Marshall Law School ..... Chicago
Hawxhurst, Ralph R. ..... Evanston
Howison, Hugh A. ..... Chicago
Johnson, Harry O., John Marshall Law School ..... Chicago
Jones, Lake, Normal School of Alabama ..... Evanston
Kadow, Z. H. ..... Chicago
Kuzink, Maxmilian, M.D. University of Illinois; LL.B. Chicago Law School ..... Chicago
Lally, John H. ..... Evanston
Lewis, William J. ..... Chicago
Liessmann, Elmer Martin ..... Chicago
Link, Frank J., LL.B. John Marshall Law School ..... Chicago
Mack, Louis William, A.B. University of Illinois; Harvard University; Chicago University .. Chicago
Martin, Robert C. ..... Chicago
Miller, Samuel A. ..... Chicago
Mitchell, James Harry ..... Chicago
Myers, Abram L. ..... Chicago
Netherton, Claude O., A.B. Indiana University; J.D. Chicago University ..... Winamac, Ind.
Novander, Leonard W., Chicago Kent College ..... Morgan Park
Patterson, P. S. ..... Chicago
Prendergast, Julian ..... Wheaton
Price, William, John Marshall Law School ..... Chicago
Randolph, Vernon Calvin, LL.B. University of Michigan; LL.M. Yale University ..... Chicago
Root, Ralph W. ..... Evanston
Schooler, Nathaniel ..... Chicago
Solomon Irving J., Ph.B. University of Chicago ..... Chicago
Steere, Kenneth D., A.B. University of Iowa; LL.B. Northwestern University .. Iowa Falls, Iowa
Swissler, William R., Lewis Institute; LL.B. University of Michigan ..... Chicago
Underwood, Walter Scott ..... Oak Park
Urbanshi, August B., LL.B. John Marshall Law School ..... Chicago
Utpatel, Fred W., LL.B. John Marshall Law School ..... Chicago
Vargo, Hugo E., University of Budapest; LL.B. Northwestern University ..... Chicago
Vasen, Maurice Eschner, LL.B., A.M., Northwestern University ..... Chicago
Wagner, Rolland M. ..... Chicago
Wells, Edward Pomeroy, Stanford University; University of Chicago ..... Quincy
Wengierski, Julius F., LL.B. Northwestern University ..... Chicago
Williams, George J. ..... Evanston
Williams, Walter J., A.B. Lincoln Institute ..... Chicago
Wolpe, Maurice H. ..... Chicago
Wormser, Leo F., Ph.B. University of Chicago ..... Chicago

GRADUATE

Church, Ralph Edwin, A.B. University of Michigan; LL.B., A.M. Northwestern University Catlin
Reardon, Neal Daniel, A.B. University of Illinois; LL.B. Northwestern University .... Delavan
Varga, Hugo E., University of Budapest; University of Illinois; LL.B. Northwestern University Chicago

SPECIAL

Davidson, John A. ..... Chicago
Fisher, Edward Albert ..... Chicago
Gray, R. B. ..... Chicago

Kwasigroch, Julian.....Berea, Ohio
Lehner, John Conrad, A.B. University of Illinois .....Stockton
Peterson, Joseph Louis.....Wilkes-Barre, Penn.
Reid, Wallace.....Chicago
Sisk, Charles J.....Evans, Colo.
West, Edgar P. H.....Chicago

COURSE IN PATENT LAW

Banning, Thomas A.....Chicago
Bell, Albert C.....Chicago
Boettcher, Arthur H.....Chicago
Camp, Curtis B.....Chicago
Cope, Charles G.....Chicago
Domarus, George V. Jr.....Chicago
Hanson, Harvey L.....Chicago
Herdman, William J.....Chicago
Hopkins, Charles L.....Chicago
Huxley, Henry M.....Chicago
Keith, Leigh S.....Chicago
Marvin, Arba B.....Chicago
Novander, Leonard W.....Chicago
Parker, C. Paul.....Chicago
Redfield, Walter H.....Chicago
Schmidt, Charles J.....Chicago
Smythe, Edwin H.....Chicago
Stern, Frank.....Chicago
Wermich, Otto M.....Chicago
Williams, Lynn A.....Chicago

College of Engineering

REGISTER OF STUDENTS 1909-1910

Ambrose, Kirk.....Mound City, Mo.
Bowlus, Claude Arch.....Greenville, Mich.
Breeden, Richard Gilchrist.....Evanston
Brown, Elmer Ganse.....Highland, N.Y.
Chamberlain, Klee Arthur.....Tonica
Clafford, Harry Joseph.....Chicago
Clapp, Charles Russell.....Evanston
Clark, John Olaf Gordon.....Oak Park
Cordes, Charles William, Jr.....Tiskilwa
Crow, Harker Alexander.....Warren, Pa.
Davey, Clarence Paul James.....Chicago
Dudley, Robert Earll.....Evanston
Eckert, Fred William.....Chicago
Foerster, John Saher.....Chicago
Gemmill, Horace Glenn.....Wilmette
Greene, Percy Clark.....Copenhagen, N.Y
Hahn, John George.....West Chicago
Higginbotham, Richard Frank..Delphi, Ind.
Hobart, Murray Cassius..Albert Lea, Minn.
Jefferson, John.....Duluth, Minn.
Johnson, Delbert Kimmins..Latrobes, Penn.
Jones, Charles Herbert.....Evanston
Kercher, Oscar B.....Goshen, Ind.
Koerner, Frank Benjamin..Saint Joseph, Mo.
Langworthy, E. Phelps.....Chicago
Lawson, John Walter.....Evanston
Little, Aaron James.....Evanston
McClurg, William Edmund....Lima, Ohio
McCullough, George Seymour.....Chicago
McKee, Brown,.....Sparta
McPherrin, William Lane..Kansas City, Mo.
Marks, Harry Carl.....Chicago
Michelet, Charles Jules.....Wilmette
Miller, Raymond C. W.....Chicago
Mitchell, Grover Ira.....Cornell
Mulcahy, John Emmet.....Denver, Colo.
Munn, Royal Benjamin.....Chicago
Nickless, William Howard..Bay City, Mich.
Pasewalk, Lloyd Herman....Norfolk, Neb.
Potter, Earl Frederick.....Lake Villa
Scanlon, George Anderson..Brooklyn, N. Y.
Schwarz, Ralph Abraham.....Chicago

Shurtleff, Howard Freeman.....Wilmette
Starrett, Carlton Henry.....Elgin
Stoekle, Erwin Rudolph.....Evanston
Timmermeister, Edwin B..Wapakoneta, Ohio
Vigars, William Chester.....Eldora, Iowa
Wallace, Raymond McElwain.....Chicago
Walsh, Percy Hammond.....Chicago
Weese, Robert Peter....Huntington, Ind.
Wheeler, Elliott.....Evanston
Whiting, Bruce Ingalls.....Evanston
Whitney, Richard Arthur.....Belvidere
Wood, Donald Gibson.....Evanston
Woodward, John Guy.....Sandwich
Woodward, Robert Franklin.....Sandwich
Wyman, Thomas Noel.....Evanston

School of Pharmacy

LIST OF STUDENTS OF THE ACADEMIC YEAR 1908-1909 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Frolich, Victor.....Illinois
Gemmell, David J.....Illinois
Winkley, George Ray.....Wisconsin

REGISTER OF STUDENTS 1909-1910

CANDIDATES FOR DEGREE

SECOND YEAR

Abbott, Elmer Reed.....Illinois
Adams, Alva Lee.....Illinois
Ammermann, Walter.....Michigan
Barnette, Earl.....Nebraska
Bellamy, Harley LeRoy.....Nebraska
Bickhaus, Conrad Albert.....Illinois
Butler, George Dwight.....Nebraska
Carr, William Larrabee.....Illinois
Carrick, Walter J.....Iowa
Cunningham, James Francis.....Arkansas
Devlin Edward.....Illinois
Duffy, Mark Matthew.....Wisconsin
Ekstam, Carl Fred.....Iowa
Ellingson, William Lincoln.....Illinois
Folkrod, Cyril Clinton.....Illinois
Foreman, Mott.....Iowa
Garn, George Wallace.....Indiana
Geyer, Fred Jay.....New Mexico
Graf, Joseph Peter.....Iowa
Harden, D. Gratton.....Nebraska
Hawley, Verne David.....Illinois
Holabird, Harlow Clay, Jr.....Illinois
Honeyman, James Shepard.....Iowa
Hughes, Earl Carleton.....Nebraska
Inskeep, Frances J.....Illinois
Isham, Herbert Austin.....South Dakota
Isted, Frank.....Illinois
Jacobson, Raphael.....Illinois
Kadlec, Edwin Lawrence.....Illinois
Kaplan, Jay.....Illinois
Kaufmann, Edward Samuel.....Ohio
Kingsley, Wilbur Lloyd.....Pennsylvania
Knochel, Joseph Martin.....Illinois
Krafft, Walter Anthony.....Illinois
Kreiling, Edward Herman George...Illinois
Lapjansky, Michael Anthony.....Illinois
Lappley, Harry Martin.....Wisconsin
Lauer, Matthias Tillman.....Illinois
Ledwich, Demain J.....Nebraska
Lee, Chris Wilbur.....Minnesota
Lehmann, Emil Ernest.....Illinois
Levitt, John Joseph.....Illinois
Lindemann, Armin Stoy.....Indiana
McAfee, John Allen.....Colorado
McKamy, Frank Edwin.....Illinois
McKelvey, Charles David.....Indiana
Miller, Edward.....Illinois
Moran, John Alphonso.....Colorado
Morrison, Earl Orin.....Illinois
Mueller, William John.....North Dakota
O'Brian, Lewis Etienne.....Indiana
Ohlson, Olof Howard.....Illinois
O'Rourke, James Patrick.....Illinois
Orr, Robert James.....Illinois
Peterson, Gus Joseph.....Oklahoma
Porter, Carson Hosmer.....Illinois
Purcell, Edmund.....Illinois
Quilling, Fred Albert.....Illinois
Roth, Martin Arthur.....Ohio
Russell, Adelbert Willis.....Wisconsin
Savage, Percy Whitford.....Montana
Schoen, William Arthur.....Minnesota
Schopp, Thomas Henry.....Illinois
Shaver, Charles Darwin.....Canada

Sims, John Ray.....Illinois
Sprague, Arthur Angel.....Michigan
Stiles, Thaddeus Cornelius.....Minnesota
Stubbs, Robert Jackson.....Georgia
Tabenski, Longin Louis.....Illinois
Wagener, Herman Eugene....South Dakota
Walter, Harry George.....Kansas
Warner, Benjamin Greeley.....Texas
Wilson, Fred Douglas.....Illinois
Winkley, George Ray.....Illinois
Witter, Clarence Porter.....Illinois
Worthington, Clyde Leonard.....Illinois
Zimmer, Arthur Philip.....Illinois

FIRST YEAR

Adams, William Charles.....Illinois
Adler, Samuel Benjamin.....Illinois
Allen, William Harry.....Illinois
Alley, Burr R.....Nebraska
Alexander, Henry Victor.....Illinois
Anderson, Charles Clyde.....Illinois
Babbitt, Harve Clare.....Nebraska
Ball, Massey Cornelius.....Texas
Baxter, David.....Michigan
Beley, Fred W.....Montana
Bergman, Willard Louis.....Illinois
Bevis, Harry Roscoe.....Illinois
Bloomquist, Guy.....Illinois
Boarini, Edward Vincent.....Illinois
Bond, Robert Bruce.....Illinois
Brown, Vivus William.....Wisconsin
Browning, Frederick Louis.....New Mexico
Buck, Roy Elmer.....Illinois
Bull, George Emanuel.....Illinois
Burns, Robert Dana.....Colorado
Cady, Leo Melville.....Colorado
Campbell, Lloyd Bruce.....Idaho
Carlson, Joseph Leland.....Utah
Clarke-Jones, Stanley.....Illinois
Cline, Samuel Phil.....Illinois
Cooke, Clyde Wilson.....Illinois
Coughlan, Robert Emmert.....Illinois
Cushing, Charles G.....Illinois
Daudelin, Eugene Felix.....Illinois
Davis, Leslie Warren.....Illinois
Derebey, Harold Pericles.....Illinois
Doerr, Albert Edward.....Illinois
Donaldson, Robert Walter.....Illinois
Donichy, Harry Miller.....Illinois
Donnell, Madison Clayton.....Texas
Eftaxapoulos, Constantine Sotirion...Illinois
Engels, Nicholas Junior.....Illinois
Eppelsheimer, Samuel.....Iowa
Erickson, Alfred Herman Oscar.....Illinois
Ferguson, James Robert.....Illinois
Gimbel, Charles Leo.....Iowa
Greenburg, Ralph.....Illinois
Hanson, Selmer.....South Dakota
Halliwell, John Phillip.....Nebraska
Heffernan, Thomas Francis.....Illinois
Hendrickson, Alfred.....North Dakota
Henwood, Maxwell Butler.....Illinois
Hill, Fred LeRoy.....Illinois
Hillebrecht, Herbert Ernest.....Illinois
Hoaglund, Clifford Paul.....Iowa
Hochschild, Tony Edwin.....Wisconsin
Hopkins, Ralph Eply.....Wisconsin
Jenkins, William Laud.....Illinois
Johanson, Oscar H.....Illinois
Johnson, Bert Napoleon.....Illinois
Johnson, Ewing Maine.....Illinois
Johnson, Melven Lloyd.....Wyoming
Kaiser, Otto Henry.....Michigan
Kelley, John Francis.....Illinois
Kendeigh, Clarence George.....Colorado
Kohlmann, Albert James.....Iowa
Kramer, Lee Edward.....Illinois
Lesoff, Alexander Victor.....Illinois
Little, Raymond Robert.....Iowa
Mackh, Carl August.....Illinois
Marple, Richard Shepard.....California
Masset, James Frank.....Wisconsin
McCann, Edward Bryce.....Illinois
Medow, Saul.....Illinois
Medow, William.....Illinois
Morrison, J. A.....Illinois
Musgrave, Jesse William.....Illinois
Musser, William Seegmiller.....Utah
Nelson, Edward Robert.....Texas
Nesbit, Graham William.....Utah
Newmann, Maurice Mayer.....Illinois
Nolan, Mary Cecelia.....Illinois
Nolting, Walter Otto.....Illinois
Noyes, Wynne Charles.....Nebraska
Olson, Joe Garfield.....South Dakota
Palumbo, Michael A.....Illinois
Painter, Clinton Blair.....Illinois
Park, Edward Louis.....Illinois
Purkey, Frank S.....Arizona
Renneckar, Carl Clayton.....Illinois
Rothe, William George.....Illinois
Schoen, Leslie Anthelm.....Colorado
Schuirmann, Hermann Gottlieb.....Illinois
Sebbes, Fred John.....Illinois
Sempill, John Burgess.....Illinois
Seyfert, Max Charles.....Ohio
Shafron, William Jacob.....Illinois

Simpson, Leo Moore.....Nebraska
Singer, Claud Tate.....Colorado
Stewart, Roy Page.....Illinois
Stoll, Walter Oliver.....Illinois
Stoltz, Charles Benton.....Illinois
Strassburger, Ernest.....Wisconsin
Striteskey, Albin John.....Illinois
Sughrua, Daniel Francis.....Illinois
Summers, Roland McCord.....Indiana
Swenson, Knute Emil.....Montana
Swift, Morton D.....Illinois
Tanner, Winfred Erle.....Illinois
Van der Veer, Ord William.....Nebraska
Vurpillat, Joseph Bede.....Indiana
Wade, James William.....Illinois
Walker, Lee Carleton.....Iowa
Weech, Robert Walter.....Oregon
Whitson, Robert Arthur.....California
Wilson, Ray Ervin.....South Dakota
Wood, Cyrus Boynton.....Illinois
Zieske, Arthur Aaron.....South Dakota
Zoub, Morris.....Illinois
Zwack, John.....Illinois

SPECIAL STUDENTS

Dahlberg, Alfred Eugene.....Illinois
Eikmeyer, Frank Henry.....Iowa
Ernst, Joseph.....Illinois
Harris, Herbert Wilson.....Illinois
Heinen, John Michael.....Illinois
Hodapp, Michael Ehrhast.....Iowa
Hendrickson, Waldemar Harold.....Illinois
Karolewski, Joseph.....Illinois
Keeley, Frank Martin.....Illinois
LeBoeuf, Hector Oliver.....Illinois
Martin, Glenn Thomas.....Illinois
McCarten, Sidney F.....Michigan
Neufeld, John.....Iowa
Peoples, Edward Lewis.....South Dakota
Pickard, Dwight.....Illinois
Richardson, Andrew.....Illinois
Ritter, Jay Bradley.....Indiana
Rueckert, Fred.....Kansas
Schaettgen, Arnold Fred.....Iowa
Schnable, George L.....Illinois
Thoma, Raymond Joseph.....Illinois
Whelan, Mitchell Joseph.....Illinois
Williamson, Norman.....Michigan
Wyszynski, Walter.....Illinois
Youngren, Emil Wilmer.....Illinois

Dental School

LIST OF STUDENTS OF THE ACADEMIC YEAR 1908-1909 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

SPECIAL STUDENTS

Huglen, Daguy.....Norway
McCormich, Jay L.....Iowa
Sachs, Hans.....Germany

SPECIAL STUDENTS IN ANATOMY

Bates, Louis George.....Pennsylvania
Blagg, Joseph P.....Arizona
DeKeuif, George F.....Michigan
Elder, Charles M.....Iowa
English, Charles H.....Nebraska
Gilyeat, Arthur W.....Kansas
Hawthorne, Wilbur E.....Michigan
Hostetter, Roy E.....California
Huther, William F.....Ohio
Irons, Charles Glenn.....West Virginia
Kadel, Carl Walter.....Indiana
Riley, Harvery E.....Illinois
Seitters, Joseph Pearl.....Ohio
Simms, Henry J.....Tennessee
Tapp, Roland Wesley.....Nebraska
West, George S.....Tennessee
Worth, Clyde J.....Illinois

REGISTER OF STUDENTS 1909-1910

THIRD YEAR

Anglemire, Raymond Lee.....Illinois
August, David Hjalmar.....Wisconsin
Baker, Arthur Edwin.....Iowa
Ball, James William.....Iowa
Bantle, George Anthony.....Minnesota
Baughman, Ira.....Illinois
Becker, Ralph William.....Illinois
Beerman, Ernest August.....Iowa

Bergstrom, Hyrum.....Utah
Berndt, George Walter.....Oregon
Black, Charles Neil.....Washington
Blackwell, J. D. .....Illinois
Brimacombe, James Kennedy.....Canada
Brown, Benjamin Lyman.....Illinois
Burkett, Clifford Wahl.....Indiana
Buss, Reuben Julian.....Wisconsin
Byers, Ford Leon.....Iowa
Campbell, Guy.....New York
Carmichael, Robert Henry, M.D...Michigan
Carson, Knute Paul.....Illinois
Cartwright, Charles Hull.....Iowa
Covert, George Burgeon.....Michigan
Crawford, Edgar Harper..British Columbia
Crew, Thomas James.....Wisconsin
Dandelles, Epaminondas.....Turkey
Denney, Thomas Jefferson.....Illinois
Denton, William Lemmon....South Dakota
Dolby, George Hugo.....Illinois
Donovan, Gustave Thomas.....Australia
Downs, George Almond.....Iowa
Dugger, Marion Harvey.....Illinois
Eckman, Philip Anthony.....North Dakota
Farwell, Harry Russell.....Illinois
Fielding, Aldrich.....Australia
Firkins, Ashley Martin.....Illinois
Foley, Thomas Joseph.....Illinois
Forester, Fred Lyman.....Illinois
Gates, Marshall Edison.....Illinois
Gault, John S.....Iowa
Gerhold, Elsa Juliane.....Austria
Gibson, Barney McCullough.....Iowa
Goode, William Alien.....California
B.S. Pomona College
Goeres, Theodore Otto.....Wisconsin
Govett, Denzie.....Australia
Graf, Clarence Zina.....Illinois
Guggenheim, Emanuel.....Illinois
Halderman, Roy S.....Kansas
Hanson, Lloyd Martin.....South Dakota
Heine, Raymond Otto.....Iowa
Hillweg, Charles Ulysse.....Iowa
Holm, Edward Olaf.....South Dakota
Holmes, Henry Claude.....Kansas
A.B. Friends University, Wichita, Kansas
Host, Walter Robert.....Wisconsin
Hudson, Frank Burton.....Wisconsin
B.S. Beloit College
Hunt, Winford A.....Illinois
Joerin, Albert Edward.....Michigan
Kelly, Harry Whiteside.....Oregon
Kenney, William Thomas.....Texas
Kikuraku, Keitaro.....Japan
Kimbell, Will Eugene.....Iowa
Kinney, Guy Bark.....Iowa
Knox, Sidney Barclay.....Illinois
Kost, Walter Henry.....Minnesota
Leach, Corl Eber.....Nebraska
Leonard, Frank Anderson.....Iowa
Lillie, Roy Kay.....Canada
Link, William John.....Iowa
McBride, Lyman Augustus.....Oregon
Madill, Christopher John.....Canada
Manosevitch, George Herman.....Illinois
Metzner, Horace Edmund.....Wisconsin
Moeller, Frank Raymond.....Michigan
Nankervis, Henry.....Michigan
Nichol, Clifton Thomas.....Illinois
Over, Charles Brown.....Montana
Payne, Eugene Irwin.....Illinois
Pooley, Harry.....Illinois
Rakow, William J.....Illinois
Roe, Joseph Blaine.....Michigan
Rowley, Thomas Joseph.....New Zealand
Sandoz, George Ellis.....Louisiana
Sederholm, Hjalmar.....Illinois
Shipstead, Samuel Christian.....Minnesota
Smith, Carlton R.....India
Smith, William H.....Iowa
Spencer, Lyle Sargent.....South Dakota
Stockman, Dee Damond.....California
Sullivan, Ralph Sylvester.....Illinois
Summers, Robert Lee.....Missouri
B.S. Lincoln Institute, Jefferson City, Mo.
Symonds, John Thomas.....Oregon
Taecker, Henry Robert.....South Dakota
Thorley, Robert Aldridge.....Utah
Thornton, Irl Jay.....Kansas
Tigerstedt, Severin Vandalia Gustave.....
.....Finland
Todd, Roland Hill.....Illinois
Valenzuela, Carlos C.....Costa Rica
Weinstein, Jacob.....Illinois
Wilbur, Carl Ellsworth.....Washington
Wilhite, Fielding M.....Missouri
Wilson, Elizabeth Ray.....Illinois
Wilson, Walter LeRoy.....Wisconsin
Woods, Frank Ray.....Illinois
Wright, John Edgar.....Missouri
Young, Garland Leroy.....Texas

SECOND YEAR

Adelson, Abraham.....Illinois
Adkins, Owen Edward.....Iowa
Bacon, Francis Erastus.....Illinois
B.S. Knox College

Bartley, Mortimer Milton.....Wisconsin
Beatty, George Mudie.....Australia
Benn, Raymond Marcus.....Iowa
Beyler, Walter Melvin.....Indiana
Bigler, John August.....Illinois
Bowden, George Leonard.....Illinois
Bremner, John A.....Canada
Brown, Geoffrey Patteson.....Australia
Bushee, Ralph Waldo.....Illinois
Busta, Edward Harry.....Iowa
Chulock, Joseph William.....Illinois
Clark, James Paul.....Washington
Collins, Thomas Martin.....Illinois
Cornwall, John Thomas.....Wisconsin
Cox, Wilford Charles.....Utah
Crawford, Harry Burch.....Michigan
Delmore, Hubert Francis.....Wisconsin
Duncan, William Henry.....Michigan
Fairfax, Henry Hopson.....Tennessee
Flannery, Edward Eugene.....Illinois
Fouser, Ralph Homer.....Iowa
Fox, John Henry.....Indiana
Furstman, Jacob Miller, M.D.....Illinois
Garber, David Raymond.....Indiana
Gayle, William Ross.....Texas
Geyer, Ebern C.....Michigan
Godson, Richard.....Australia
Goldthorpe, Charles Clyde.....Illinois
Grossberg, Arthur.....Illinois
Guha, Narendra Chandra.....India
Harrington, Earl Fremont....South Dakota
Harrison, Delmar Jay.....Minnesota
Hedman, Carl Edwin.....Minnesota
Hemmer, Francis Joseph.....Iowa
Henn, Elmer J.....Illinois
Hewitt, William James.....North Dakota
Holland, Carl Martin.....Iowa
Holtan, Arthur George.....Illinois
Horner, Harold Ince.....Iowa
Howe, Walter Guy.....Illinois
Hull, Robert Clayton.....South Dakota
Huntington, Roger Ebinger.....Illinois
Ingram, Hector Sydney.....England
Johnson, Martin Loren.....Illinois
Kenney, William Thomas.....Texas
Kundert, Leo Harris.....Illinois
Laird, Harry Brumfield.....Missouri
Langdon, Edwin Lawrence.....Australia
Latham, Garnett.....Wisconsin
Leach, Floyd DeWitte.....Wisconsin
Leach, Roy Carroll.....Nebraska
Lund, Herman John.....Illinois
McCormick, Jay Luvern.....Iowa
McCready, Charles Ray.....California
McDaniel, Walter Oliver.....Illinois
McDermott, Emmet E.....Wisconsin
McIntyre, Leslie Herbert.....Manitoba
Metzner, Horace Edmund.....Wisconsin
Millard, Glenn W.....Nebraska
Mindlin, Barnett.....New York
Monahan, Matthew Joseph.....Ireland
Montgomery, Ida Olive.....Canada
Morlan, James Leonard.....Illinois
Muir, Harry D.....Iowa
Myers, Roy Albion.....Illinois
Nahas, Albert John.....Egypt
Nichols, Ira Goodsel.....Mississippi
Nugent, Laurence Earl.....Minnesota
Offill, William Arthur.....Illinois
Olshan, Hirsh Gammil.....Illinois
Papantonopulos, Nickolas George....Greece
Pearson, Townsend Adelbert.....Iowa
Pruyn, Walter Mann.....Illinois
Putnam, Claude Ashbil.....Illinois
Roach, Richard M., M.D.....Illinois
Robinson, Peter Edward....North Carolina
Rowan, William Anthony.....Illinois
Schumacher, Frank Paul.....Illinois
Shaffer, Lee Harrison.....Illinois
Skillen, William Graham.....Illinois
Smith, George Clifford.....Wisconsin
Smith, Homer Arthur.....Massachusetts
Sprecher, Adolph Gustave.....South Dakota
Stair, Karl Elbert.....South Dakota
Stewart, Frederick Augustus Porter, Colorado
Syverud, Herman.....South Dakota
Tebbs, D. D.....Utah
Thomson, James Urquhart.....Illinois
Tiernan, Andrew.....Iowa
Tufveson, Nels.....Sweden
Tyler, Jesse Martin.....Mississippi
Ullom, Stanley William.....Iowa
Welcher, David Morris.....Illinois
Welden, Floyd Handy.....Nebraska
West, Floyd Eddy.....Wisconsin
Williams, John Dyke.....Iowa
Woodworth, George W.....Ohio
Woodruff, Silas.....Kansas

FIRST YEAR

Akesson, Axel Wictor.....Illinois
Applebee, Alpha Bowers.....Illinois
Arai, Hirokichi.....Japan
Asger, Meldi Edward.....China
Babcock, William.....Illinois
Bailey, George Watson.....Wisconsin
Baker, Waldorf Astor.....Oklahoma
Ball, Ralph Thomas.....Illinois

Basford, Harry Lea.....Wisconsin
Basford, L. P.....Wisconsin
Bass, Feris Achille.....Texas
Bigelow, Judd Mortimer.....Wisconsin
Boehme, Louis Hugo.....Germany
Bradbury, Arthur Rexford.....Illinois
Brady, Charles Thomas.....Illinois
Butler, Guy Goldthorp.....Iowa
Carlisle, Thomas.....Illinois
Cashin, W lliam Roy.....Wisconsin
Cohen, Abraham Aaron.....Russia
Collins, Camillus Carl.....Iowa
Cook, John Richards Williams.....Indiana
Cook, Merritt Wilson.....Pennsylvania
Corby, Earnest E.....Kansas
Cottrell, Daniel.....England
Croessmann, Julius William.....Illinois
Culp, Corydon Alonzo.....Illinois
Cusack, Cecil George Henry.....Australia
Davis, John Harrison.....South Dakota
Deeble, Albert Leslie.....South Dakota
Dush, Verna Roscoe.....Illinois
Edlund, Eskill Walter.....Illinois
Engebretson, Peter Jacob.....Minnesota
Etzbach, Bruno Anton.....Illinois
Faller, Edward George.....Wisconsin
Fischer, Leonora.....Illinois
Freedlund, Gust Reginald.....Florida
Freeman, Charles West.....Vermont
Freeman, Louis George.....Indiana
Gage, Herbert G.....Iowa
Genter, James Henry.....Illinois
Gibbons, Lee George.....Illinois
Grosser, Walter William.....Illinois
Hanrahan, Eugene Patrick.....Illinois
Harmon, Herbert Newel.....Wisconsin
Heath, Benjamin Lisle.....Wisconsin
Heil, Henry Anthony.....Wisconsin
Heinen, Herman Eligus.....Indiana
Henderson, Augustus Primus.North Carolina
Henderson, Lewis Bernhard..North Dakota
Hiscox, William Leon.....Canada
Hobson, Fred Nae.....Iowa
Hoffman, Augustus Knight.....Iowa
Hughes, Edmund Joseph.....North Dakota
Johnson, Albert Creighton.....Illinois
Johnson, Gordon George.....Wisconsin
Juhl, Erik.....Germany
Kamitani, Kauji.....Hawaii
Kennedy, Ernest.....Canada
Linn, Oliver Reinhold.....South Dakota
Lizar, Francis Aaron.....Wisconsin
Logan, Eugene Raymond.....Texas
Mackh, Carl August.....Illinois
Macko, Frank W. Jr.....Illinois
Martin, Eric Allan.....Australia
Mason, William Michael.....Illinois
Matthews, James Albert.....Missouri
Mattice, Clyde Merril.....Washington
Miller, Guy Morris.....North Dakota
Murfey, St. Clair.....Mexico
Nelson, Alex Clark.....Wisconsin
Olech, Joseph Benjamin.....Russia
O'Meara, Ray Morgan.....Iowa
Parker, Hale Giddings.....Illinois
Parson, John Moore.....Canada
Pelton, John Gordinier.....Wisconsin
Pfening, Ernest.....Illinois
Pickles, Nathan Corr.....Missouri
Postle, Merton Meyne.....Ohio
Randolph, Milton Fitz.....Washington
Rice, Warren Earl.....Wisconsin
Rice, William John.....Illinois
Richards, Mahlon Addison.....Wisconsin
Rogers, Neil Oscar.....Illinois
Rose, Leonard Adam.....North Dakota
Roseland, Levi A.....Illinois
Roseland, Luther M.....Illinois
Rowland, Thomas Jefferson.....Arkansas
Sheetz, Roscoe Martin.....Illinois
Skinner, Claud William Harris.....Canada
Shoore, Leo Abraham.....Illinois
Smith, George Edwin.....Illinois
Stamp, Joseph William.....Indiana
Stander, William Albert.....Michigan
Stenborg, John Adolph Ambrose..Minnesota
Swords, Collins Ward.....Louisiana
Tull, Allison Lee.....Illinois
A.B. University of Illinois
Tuttle, Merle Harrison.....Michigan
Ulvestad, George Elmer.....Minnesota
Unseitig, Clyde.....Illinois
Urbanowicz, Henry John.....Illinois
Utendorfer, George Wilbur.....Minnesota
Van Demark, Frank Ervin....South Dakota
Vaughan, Charles Homer.....Michigan
Vyverberg, Arnold Elmer.....Iowa
Young, Roy Mercer.....Illinois

SPECIAL STUDENTS

Bates, Lewis George.....Pennsylvania
Blagg, Joseph P.....Arizona
DeKruif, George F.....Michigan
Elder, Charles M.....Iowa
English, Charles H.....Nebraska
Gilyeat, W. Arthur.....Kansas
Hawthorne, Wilbur Everett.....Michigan
Henning, George.....Illinois

Hostetter, Roy E.....California
Huglen, Dagny.....Norway
Huther, William F.....Ohio
Irons, Charles Glenn.....West Virginia
Kadel, Carl Walter.....Indiana
Montgomery, James Allen.....Manitoba
Riley, Ralph Emerson.....Illinois
Sachs, Hans.....Germany
Seitters, Joseph Pearl.....Ohio
Sims, Henry James.....Tennessee
Sollenberger, Harvey N.....Ohio
Tapp, Roland Wesley.....Nebraska
West, George S.....Tennessee
Worth, Clyde J.....Illinois

PRACTITIONERS AND GRADUATES

Anderson, Andrew Mathias...South Dakota
Anderson, John Lorne, D.D.S.....Ontario
Brogan, John Joseph, D.D.S...Pennsylvania
Deakins, Frederick Charles.....Australia
Drozdowitz, Abraham, D.D.S.....Illinois
Harmon, Thomas Franklin, D.D.S. Oklahoma
Haywood, Leo Paul.....New Zealand
Hinder, Terence J. H.....Australia
Howes, Minnie Ida, D.D.S.....Indiana
Nishimura, Yoshio, D.D.S.....Japan
Overbey, Horace, D.D.S.....Oklahoma
Rawlings, James, D.D.S.....Washington
Thiele, J. Otto, D.D.S.....Missouri
Watson, Edmond Lee, D.D.S.....Arkansas

School of Music

LIST OF STUDENTS OF THE ACADEMIC YEAR 1908-1909 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

STUDENTS IN REGULAR COURSES

Addy, Alma Katherine.....Evanston
Bailey, Lura Mary.....Evanston
Baker, Alice Lillian.....Highland Park
Beall, Homer Honeywell.....Henry
Bedell, Guy William.....Thomson
Blake, Albert Webster....Amesbury, Mass.
Broehl, Leland Peter.....Pana
Brooke, Pauline Harriet.....Evanston
Bryant, Mabel Captola....LaCrosse, Wis.
Cater, Grace Margaret..... Libertyville
Cook, William Robertson.....Chicago
Davis, Laura.....Blue Earth, Minn.
DeBord, Besse Myrtis.....Princeville
Dennis, Mrs. Myrta McKean.....Evanston
Dreher, Charles Edwin..Stroudsburg, Penn.
Erb, George William.....Chicago
Flodin, Nellie Beulah.....Evanston
Hamill, Hazel Dorcas .....Guthrie, Okla.
Hedge, Harry Malcolm..... Chicago
Hicks, John Donald.....Buffalo, Wyo.
Hobart, Chauncey Goodrich.....Evanston
Hodge, Vernie May.....Elkton, So. Dak.
Huggett, Lillian Gertrude..Gallup, New Mex.
Humfreville, Lillian.....Waterville, Kan.
Johnson, Douglass Montgomery.....
St. Louis, Mo.
Johnson, Edward Amer.....Evanston
Johnson, Marcia .....Evanston
Josslyn, Flora Mabel.....Marengo
Kindig, Avaline Hull.....Rensselaer, Ind.
Kirkpatrick, Blaine.....Raub, Ind.
Kline, Mabel Elizabeth.....Evanston
Lambert, Helen.....Chicago
Long, Wallace Winfield....Cadillac, Mich.
McGregor, Margaret..... Evanston
McWilliams, Edward, Jr.....Chicago
Meyer, Fred Clifford.....Fargo, No. Dak.
Middlekauff, Marjorie May.....Chicago
Nadler, Walter Hermann.....Peru
Neitz, Erma Lucretia..... Fairbury
Nichols, Mildred Gates..West Liberty, Iowa
Noyes, Louise.....Mt. Sterling
Patterson, Clinton Crissey.....Marengo
Prindle, Mary Louise.....Elhin
Rea, Edith Pansy..... Corydon, Iowa
Redding, Ethel Bernice....Bozeman, Mont.
Reebie, Ethel Louise.....Chicago
Reed, John Watford,.....Chicago
Russell, Mrs. Martha Stockton....Evanston
Secor, Elizabeth.....LaSalle
Smith, Alice May.....Cuba
Smith, Frank Earl.....Seneca, Kan.
Spencer, William Anson..Roswell, New Mex.
Steele, Marie Patterson....Lansing, Mich.
Stewart, Bertha Hartwell.....Wichita, Kan.
Stoeckle, Matilde.....Aurora

Swenson, Grace Sophia.....Chicago
Thomson, L. Berta.....Beaman, Mo.
Todoroff, Alexander.....Chicago
Ward, Alice.....Evanston
Wheeler, Esther Catherine.....Oak Park
Wheeler, Helen Louise.....Oak Park
Widney, Charles Earl.....Melrose Park
Wooley, Mrs. Florence Childs....Evanston

SPECIAL STUDENTS

Anderson, Daniel.....Wahoo, Neb.
Andrews, Elizabeth.....Vermilion, So. Dak.
Botsch, Angela Margaret.....Evanston
Brown, Christy .....Kenilworth
Buck, Lillian Morgan.....Elkton, So. Dak.
Chapman, William Harold.....Evanston
Coghill, Mrs. Maria Robinson.....Evanston
Cram, Mrs. Aldena.....Melrose Park
Culver, Mrs. Elma Jayne.....Evanston
Edmondson, Mrs. Ethel Vera.....Evanston
Fellows, Alma June.....Evanston
Freeman, Erceldean.....Lead, So. Dak.
Greenwood, Robert Campbell .....
..... Lake Mills, Wis.
Grove, Edna Mae....College Springs, Iowa
Halligan Mrs. Mary Ballard .....Evanston
Holmes, Robert.....Evanston
Hughes, Mrs. Teresa.....Glencoe
Johnson, Lucille.....Evanston
Johnston, Alice Miriam.....Ottumwa, Iowa
Justice, W. Arthur.....Evanston
Kretsinger, Mildred.....Evanston
Mahler, Theresa.....Sheldon, Iowa
McElveen, Eva Lillian.....Evanston
McGaughey, Mrs. Elizabeth Harlan ...
.....Evanston
McKay, Edith Risser.....Evanston
Murray, Carl Dustin..... Evanston
Newcomb, Hazel Delight.....Evanston
Packard, Hazel Mattie....Redfield, So. Dak.
Pereles, Janet.....Milwaukee, Wis.
Peterson, Mattie Elenora..Saronville, Neb.
Reckett, Dorothy Catherine.....Evanston
Rulifson, Genevieve Lillian.....Chicago
Seidle, Mrs. Florence Amelia.....Chicago
Sieh, Ella Margaret.....Sutherland, Iowa
Simpson, Vera Pearl.....McPherson, Kan.
Smith, Faye Elizabeth.....Macomb
Smith, Mrs. O. S.....Evanston
Thompson, Grace Constance..Poynette, Wis.
Traxler, Inez.....Evanston
Vance, Marie Matthews.....Evanston
Van Vlissingen, Mrs. J. H.....Evanston
Weeks, Fred Allen.....St. Paul, Minn.
West, Mary Louise.....Tiffin, Ohio
Wisely, Mayme Lucille.....Kincaid, Kan.
Wolcott, Mrs. Carrie J.....Evanston

REGISTER OF STUDENTS 1909-1910

STUDENTS IN REGULAR COURSES

Addy, Alma Katherine.....Atlanta, Ga.
Ade, Nellie.....Kentland, Ind.
Adler, Irene.....Oskaloosa, Iowa
Allen, Frances Lula.....Palatine
Andrews, Maude Virginia.....Geneseo
Annett, Thomas Howard.....Galena
Arkwright, Hazel Elsie.....Helena, Mont.
Armstrong, Mabel Towne.Cedar Rapids, Ia.
Arnould, Eva Adeline.....Ashton
August, Selma Josephine.....Superior, Wis.
Ashby, Mary Margaret.....Ladoga, Ind.
Austin, Electa Louise.....Chicago
Avery, Helen Bessie.....Elgin
Baker, Margery Mae.....Allegan, Mich.
Ballew, Martha Kathryn.....Corydon, Iowa
Bancroft, Katherine Salome.....Erie, Penn.
Barnard, Beatrice.....Evanston
Beall, Florence Yolande.....Henry
Bennethum, Verna Maud.....Freeport
Berry, Loretta.....Evanston
Bilsland, Leota.....Covington, Ind.
Birdsall, June A.....Clarion, Iowa
Bjorgo, Selma Marie....Thompson, N. Dak.
Blake, Albert Webster.....Amesbury Mass.
Blodgett, Vesta Electa.....Chicago
Boche, Louise Marie.....Chicago
Braastad, Lillian Alice....Ishpeming, Mich.
Brawthen, Lillian Georgine.....Chicago
Brenneman, Hedwig.....Evanston
Bruce, Jean Kathryn.....Chicago
Bullis, Carleton Henry.....Milwaukee, Wis.
Campbell, Alice Maye.....Cashton, Wis.
Campbell, Margaret.....Chicago
Campbell, Marvene Goldie..... Chicago
Cantrall, Gertrude Elizabeth...Milledgeville
Carlton, Edith Marion.....Calumet, Mich.
Carroll, Irene Nevada.....Hampton, Iowa
Carter, Gertrude.....Evanston
Cate, Samuel Melzar.....Hammond, La.
Chapman, Luella Jeanett.Fort Atkinson,Wis.

Clark, Mellie Belle.....Paris
Clarke, Mabel May.....Iola, Kan.
Combs, James Arthur.....Macon
Congdon, Gertrude.....Evanston
Connard, Nellie.....Decatur
Corwin, Mary Lucile....Jamestown, N. Dak.
Cowley, Amy.....Ligonier, Ind.
Cox, Edith.....Salem, Ore.
Coye, Mary Ethel.....Stevens Point. Wis.
Crews, Lucile.....Pueblo, Colo.
Crosier, Ethel Beatrice.....Geneseo
Cummings, Jacqueline Adele.....Evanston
Currier, Nellie Pearson.....Evanston
Davis, Laura.....Blue Earth, Minn.
Davis, Lola Ella.....Evanston
Day, Gladys.....Evanston
De Long, Ruth Vida.....Chicago
De Shazo, Susie Luverne...Memphis, Tenn.
Dobson, Jessie Vera.....Mitchell, S. Dak.
Doddridge, Sarah Elizabeth. Vincennes, Ind.
Dreher, Charles Edwin..Stroudsburg, Penn.
Driskill, Edith Lorena....Spearfish, S. Dak.
Dudley, Marjorie Eastwood.....Evanston
Evans, Kathryn Lily.....Muscoda, Wis.
Falcon, Myrtle Nightingale.....Evanston
Firey, Margaret Anna....Aberdeen, S. Dak.
Fleming, Fannie Jeanette..Summerfield, Kan
Foote, Sheldon Burnham..Parkersburg, Iowa
Ford, Alice May.....Lake Geneva, Wis.
Franks, Paul Raymond.....Garrett, Ind.
Frazier, Harriett.....Nevada, Iowa
Frisbie, Roger Corr.....Evanston
Fulcher, Gwyneth Mary.....Evanston
Gilpin, Grace De Forest. Bingham Canyon, U.
Glick, Carl C.....Marshalltown, Iowa
Goddard, Odile Marie.....Evanston
Gostelow, Anna Belle.....Prophetstown
Greene, Fern Emily.....Woodstock
Gregg, Paul Edwin.....Delphi, Ind.
Grimes, Cora Daisy.....Allerton, Iowa
Gruber, Merrill Otis.....Montgomery
Hall, Charles Ernest.....Dayton, Va.
Hall, Lysle.....Galien, Mich.
Hancock, Lillian Mae.....Clinton, Iowa
Hanna, Janet.....Evanston
Hart, Lucy Alice.....Ashton
Hawke, Edna Eleanor.....Pueblo, Colo.
Heidemann, Esther Anna Priscilla.....
Waterloo, Wis.
Herpich, Gerwinna Lue.....Winfield, Kan.
Himelberger, Irma Margaret..Lansing. Mich.
Hoff, Reva Clair.....Danville
Holcomb, Anna Faye.....Hinsdale
Holcomb, Jessie.....Parsons, Kan.
Hollen, Cora Alice.....Eau Claire, Wis.
Hopkins, Emma Burdette, Independence, Iowa
Horner, Marie.....Wichita, Kan.
Howat, Mary Agnes.....Clarksville, Mo.
Humfreville, Lillian.....Waterville, Kan.
Humphrey, Jessie Jaye.....Oshkosh, Wis.
Hurford, Jean.....Glencoe
Hutchison, Eva Jeanne.....Ottawa, Kan.
Johnson, Carrye Myrtle.....York, Neb.
Johnson, Helen Alathena.....Evanston
Jones, Edith.....Dodgeville, Wis.
Kemman, Ida Sophia.....La Grange
Kennedy, Laura Dawes.....Collins, Iowa
Klatt, Genevieve Headwig.....Lincoln
Laing, Jessie Anna.....Gladstone, Mich.
Lambert, Helen.....Chicago
La Mont, Ella Marie.....Monroe, Wis.
Latchaw, Maude Anna..Wilton Junction, Ia.
Leigh, Maurice Chaffee.....Evanston
Lines, Gladys.....Maywood
Lytle, Hazel Frances.....Rushville, Ind.
Macdonald, Mary Edna.....Evanston
Macomber, Katherine P.....Chicago
Mail, Mabel Anna.....Vincennes, Ind.
Matlack, Edith Lillian.....Galena
Mattes, Barbara Alexa.....Odebolt, Iowa
Maxheimer, William Albert....Mt. Pulaski
Meek, Eva.....Garden City, Kan.
Meeker, Marion Catherine.....Muncie, Ind.
Merrill, Adalaine Elizabeth.....Evanston
Middlekauff, Marjorie May.....Chicago
Miller, Alice Fern.....Park Ridge
Miller, John Paul.....Chico, Calif.
Miller, Mary Ann.....Ivesdale
Mitchell, Grace Rand.....Mt. Carmel
Mollison, Mary Eunice..Smith Center, Kan.
Moss, John Butler.....Wheaton
Mulfinger, Mary Eleanore.....Chicago
Mulholand, Elizabeth Artlissa.....Chicago
Murdock, Leita.....Streator
Nelson, Grace Mary Christine.....Evanston
Nelson, Russell Clement..Albert Lea, Minn.
Noyes, Ella Louise.....Mt. Sterling
Ogilvy, Jessie Frances.....Seattle, Wash.
Pace, Madeleine.....Chicago
Pardun, Earl Raymond.....Clarion, Iowa
Pardun Mrs. Minarose Oakes.....Evanston
Paull, Myra Eva.....Lake Linden, Mich.
Pearce, Lida Alma.....Oswego
Pease, Halley Anna.....Chicago
Pierce, Annie.....Waverly, Iowa
Pierson, Lettice Mae.....Wallingdorf, Iowa
Pike, Hazel Ugene.....Bristol, Wis.
Pilcher, Ruth Lowry.....Sparta
Pratt, Mary Porter.....Evanston
Preston, Eva Emeline..Strawberry Point, Ia.

Prior, Lyman Pierce.....Highland Park
Pritchard, Fannie Isabelle.....Geneseo
Rankin, Laura Hale.....Waverly, Kan.
Raymond, Margaret.....Evanston
Redding, Bernice Ethel.....Harding, Mont.
Rice, Mary Alice.....Chicago
Richardson, Alice May.....Evanston
Ross, Mildred Kathryn.....Chicago
Russell, Levi Douglas.....Chicago
Russell, Martha Stockton.....Evanston
Sandoe, Hazel Alice May..Marshalltown, Ia.
Seaman, Maurice Lewis..Battle Creek, Mich.
Seely, Bessie Mae.....Yorkville
Sieh, Ella Margaret.....Sutherland, Iowa
Sivright, Susan Sophronia.Hutchinson, Minn.
Slack, Arthur Ray.....Canton.
Smith, Angeline Elise.....Marlette, Minn.
Songer, Carl Anson.....Joliet
Stearns, Dorothy Retta.....Monroe, Wis.
Steever, Frances Horton.....Highland Park
Stevens, Clara Anna.....Chicago
Stinson, Jeanette Margaret.....Chicago
Stringham, Edwin John.....Kenosha, Wis.
Studley, Violette Hazel.....Reddick
Stults, Walter Allen.....Evanston
Sweet, Genevieve Ellen.....Evanston
Taecker, Bertha Louise.Watertown, S. Dak.
Te Walt, Alice Leone.....Vincennes, Ind.
Townsend, Lowell Leslie...Remington, Ind.
Troeger, Ruth Ursa.....Storm Lake, Iowa
Turner, Vinneta Mabel.....Pekin
Ullin, Florence Louise.....Kendallville, Ind.
Vanderlip, Charles Harmon.....
Niagara Falls, N. Y.
Virden, Ruth Caldwell.....Evanston
Ward, Esther.....Evanston
Wartinbee, Lois Hanna.....Chicago
Weis, Ezra Herman Franklin.....Reddick
Wheeler, Lora Louise.....Onarga
Williams, Lois Lillian.....Highland Park
Willson, Madge Altrura.....Edgerton, Wis.
Wilson, Ethel Edith Blanche.....
Hot Springs, S. Dak.
Wilson, Ralph Edgar.....Oshkosh, Wis.
Woodward, James Wroten.....Rock Falls
Wright, Bessie Marjora.....Bellevue, Ohio
Wright, Ethel May.....Wilmot, Wis.
Wright, Laota Clair.....Palestine
Wyckoff, Irving Orlando.Rock Rapids, Iowa
Young, June Rebecca.....Clarion, Iowa

SPECIAL STUDENTS

Adair, Alice Gertrude.....Evanston
Adams, Thomas E.....Marshalltown, Iowa
Aiken, Gertrude Emeline.....Evanston
Allen, Lillie Hertencher.....Covington, Va.
Andrew, Mary Willock.....Glencoe
Bachmann, John Herbert.Mound Ridge, Kan.
Backus, Rella Juanita.....Evanston
Bailey, Ruth.....New Richmond, Ind.
Baird, Helen Martha.....Evanston
Barker, Milton.....Wilmette
Barnes, Alice May.....Evanston
Bates, Rose Cleveland.....Evanston
Bell, Marie Helen.....Rushville
Bernhisel, Helen Louise.....Evanston
Boot, Estelle Hallam Bennett.....Evanston
Bradshaw, Agnes Boynton.....Evanston
Bradshaw, Eugenie Fulton.....Evanston
Bragdon, Merritt.....Evanston
Bragg, Helen May.....Evanston
Brandriff, Lola C.....Glencoe
Breneisa, Harry McGane.....Cabery
Brooke, Mae Evangel.....Evanston
Brothers, Ruth Willis.....Evanston
Brown, Elizabeth.....Evanston
Brown, Jessie Evena.....Wichita, Kan.
Butterfield, Roxena.....Mitchell, S. Dak.
Calhoun, Helen Margaret.....Glencoe
Campbell, Gertrude Belle.....Minooka
Canfield, Wren Manley.....Murray, Iowa
Carlson, Robert Clarence....Brooklyn, N. Y.
Carter, Allan John.....Evanston
Carter, Florence Gertrude..Union City, Ind.
Clarke, Ruth.....Evanston
Collins, Dan D.....Collinsville
Colvin, Jessy L .....Evanston
Cox, Winnifred Sarah.....Osseo, Wis.
Crawford, Nella Alice.....Evanston
Cummings, Hazel Elizabeth.....Evanston
Cunnyngham, Nina G.....Winnetka
Downey, Mrs. Lilian May .....Evanston
Earngey, Willard Phelps.....Rockford
Eddy, Milton Walker.....Medina, Ohio
Ehmen, Emil Sebo.....Melvin
Fellows, Alma June.....Evanston
Fife, Rose.....Chicago
Fitzgerald, Frances Mary.....Chicago
Flentye, Laura Annie.....Wilmette
Gamble, Gula E.....Evanston
Gardner, Elizabeth.....Evanston
Gaskins, Nina Marguerite.....Alton
Gerould, Frank Avery.....Evanston
Goddard, Lucille Lotus.....Evanston
Goodenow, Harold Elijah....Detroit, Mich.
Goodrich, Hubert Lyman.....Evanston
Griswold, Ruth Reddington.....Evanston
Grove, Paul Luther.....Evanston

Harpham, Helen.....Evanston
Hart, Marguerite.....West Allis, Wis.
Herbert, Florence Emerson..La Grange, Ind.
Holm, Annie.....Waukegan
Holmes, Robert.....Evanston
Hughes, Mrs. Teresa.....Glencoe
Hulbush, Ida Montana.....Billings, Mont.
James, Maurice.....Evanston
Jordan, Viola.....Chicago
Keen, Evelyn Hutt.....Evanston
Kenney, Catherine.....Chicago
Kilbury, Mabel Rachel.....St. Joseph
King, Fenner Emory.....Ames, Iowa
Kretsinger, Mildred Hope.....Evanston
Laughlin, Lola Claire.....St. Charles
Lawson, Gordon M.....Chicago
Loehr, Adele Marie.....Carlinville
Leonard, Chauncey Wood.....Evanston
Loring, Elsie Brown.....Chicago
McCordic, Christine Ruth.....Winnetka
McCulloch, Hugh Waugh.....Evanston
McGaughey, Elizabeth Harlan....Macomb
McKee, Fae.....Evanston
Manley, John Alfred.....Mt. Carmel
March, Gertrude Stewart.....Evanston
Mather, Margaret Edwina..Groton, S. Dak.
Mee, Marguerite Edith..Centerville, S. Dak.
Meyer, Mary Bailey.....Evanston
Miller, Esther Macdowell.....Evanston
Miller, Helen Adeline.....Evanston
Newell, Florence Eleanor.....Monticello
Northrop, James Whitney.....Woodstock
Nye, Edith Amelia.....Evanston
Osborne, Effie Bell.....Evanston
Owen, Hazel Grace.....Evanston
Owens, Louis Harold.....Evanston
Paden, Roberta Alice.....Sumner, Iowa
Pardun, Walter David.....Evanston
Parsons, Lucy.....Juneau, Alaska
Patten, Helen Prindle.....Evanston
Patterson, Clinton Crissey.....Marengo
Peabody, Ruth.....Albany, N. Y.
Pearsons, Pauline.....Argyle
Peckham, Leaman Fulton.....Zion City
Peterson, Mattie Elenora....Saronville, Neb.
Phelps, James Manley.....Chicago
Pope, Edwina Lydia.....Evanston
Powers, Gladys Beulah.....Waterloo, Iowa
Price, Elizabeth Jane.....Clear Lake, Iowa
Prouty, Ida Evangeline....Des Moines, Iowa
Randall, Winslow Henry.....Harvey
Redelings, Leslie Hall.....Marinette, Wis.
Reed, Lucy Evans.....Cameron, Mo.
Reimers, Rosamond R.....Davenport, Iowa
Richardson, Lucy.....Evanston
Rittenhouse, Edna.....Evanston
Robinson, Floy.....Highland Park
Rosenberger, Bessie Westannah.....
Fairbury, Neb.
Ross, Oscar Arthur.....Evanston
Sandmeyer, Hillis Parker.....Quincy
Schultz, Edmee Marie Louise.....Evanston
Schultz, Irmgard Juliet.....Evanston
Simonds, Marshall Garfield.....Chicago
Slack, Grace Tucker.....Canton
Smith, Lawrence Woodward.....Evanston
Smith, Lewis Addington....Ottumwa, Iowa
Sonnen, Helen Anna.....Evanston
Stewart, Jeanette Dorothy.....Chicago
Straub, Mila.....Evanston
Stuntz, Willard Glenn..Panama, Canal Zone
Swartz, Jerrold Franklin.....Evanston
Taylor, Florence Maria.....Evanston
Thomas, Helen Elnora.....La Grange, Ind.
Thorne, Delia Rosella.....Waterville, Kan.
Trelease, Ella.....Evanston
Trowbridge, Alice.....Evanston
Van Vlissingen, Eleanor Dorothy..Evanston
Vernor, John Harold.....Sandwich
Waitman, Sadie Ardella.....Bayard, Neb.
Ward, Walter.....Onarga
Warner, Amy.....Ottawa, Kan.
Wells, Frances Mary.....Sumner, Iowa
Wells, Marguerite.....Evanston
West, Mary Louise.....Tiffin, Ohio
Wilson, Ethel.....Wilmette

School of Commerce

LIST OF STUDENTS OF THE ACADEMIC YEAR 1908-1909 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

Carpenter, Cecil Wilfred.....Chicago
DeCelle, Arthur A.....Chicago
Ennis, Emile S.....Chicago
Hansen, Herbert Conrad.....Chicago
Harper, Arthur P.....Chicago
Harraden, Charles G.....Berwyn
Heyne, Kurt Fred.....Chicago
Hill, Paul Kimball.....Chicago
Hoke, Edwin F.....Chicago
Hooker, John P.....Chicago

Howard, Wilfred N.....Chicago
Huston, John Joseph.....Chicago
Lewis, Martin Eugene.....Chicago
Linn, Winfield Scott.....Chicago
McCauley, John Arthur.....Chicago
Morrison, Paul Raymond.....Chicago
Mozingo, Frederick P.....Chicago
Riley, Don W.....Chicago
Shipman, Harry R.....Chicago
Smith, Roy.....Pontoosuc
Steelhammer, Arvid M.....Chicago
Stone, N. F.....Chicago
Wesley, Thomas Cole.....Chicago
Willard, Charles B.....Chicago
Wolf, Arthur.....Chicago

REGISTER OF STUDENTS 1909-1910

Allen, Edward Michael.....Chicago
Anderson, Arthur Maurice.....Chicago
Anderson, William W.....Chicago
Andree, Arthur Phillip.....Chicago
Andrews, Elliot R.....Berwyn
Anke, Richard Paul.....Chicago
Ashman, Lewis Ethelbert.....Chicago
Bacon, Albert Tolman.....Morgan Park
Baker, Raymond Ernest.....Chicago
Barber, Henri Newton.....Chicago
Barrows, Orville Parmer,.....La Grange
Barry, Michael Joseph.....Chicago
Bartlett, Byron Murray.....Oak Park
Bate, Frederick Blantford.....Chicago
Behl, Peter Henry.....Chicago
Berg, John.....Chicago
Berleman, Laurence Joseph.....Chicago
Berta, Francis Joseph.....Chicago
Bigelow, Louis Barnes.....Chicago
Blanke, Theodore L.....Wausau, Wis.
Bliven, H. O.....Chicago
Bloch, Michael Oscar.....Chicago
Bockelman, Otto Fred.....Chicago
Bokum, Norris H.....Chicago
Boman, Bernard Winfield.....Chicago
Boomer, George Owens.....Chicago
Boomer, Henry R.....Wilmette
Borden, Alfred Carl.....Chicago
Boyajohn, Haig Milton.....Chicago
Brackett, Harry Heywood.....Chicago
Brennan, Jr., Patrick J.....Chicago
Brenner, John.....Chicago
Brimstin, William Edgar.....Chicago
Bronson, Donald Frederick.....Chicago
Brown, Herbert Paul.....Chicago
Brown, Robert McCagg.....Chicago
Buesing, Henry J.....Chicago
Burg, John Charles.....Chicago
Burlingame, Charles Martin.....Chicago
Burnson, Clarence Victor.....Chicago
Butler, Ward.....Chicago
Callander, Alexander Barnes.....Chicago
Campbell, Doan Albert.....Chicago
Camphausen, Frederick Henry.....Chicago
Canigan, Howard Francis.....Chicago
Carlson Emil Clarence.....La Grange
Carlson, Victor C.....Chicago
Carroll, William T.....Chicago
Carson, William A.....Berwyn
Cass, Sigismund.....Chicago
Chan, George Alexander.....Chicago
Christiansen, William F.....Chicago
Clancy, Leslie Mark.....Evanston
Clark, Ainsworth Whitney.....Chicago
Clowes, Francis John.....Chicago
Clyman, Abraham.....Chicago
Coffin, Fielder Juilliard.....Chicago
Cook, Jonathan Blanchard.....Wheaton
Condon, Joseph Frank.....Chicago
Cooley, Hiram William.....Chicago
Cooney, Lee W.....Chicago
Cooper, John Armstrong.....Chicago
Coppersmith, John Luttrell.....Chicago
Coyle, Bernard Joseph.....Chicago
Crowley, Robert F.....Chicago
Cullen, John Robert.....Chicago
Cuming, Eugene Hugh.....Chicago
Cushman, Robert Everton.....Chicago
Davies, Glenn Harrison.....Lombard
Davis, Will C.....Chicago
DeLaney, Clarence Martin.....Chicago
Dessler, Nicholas.....Chicago
Dolbear, Jayn W.....Chicago
Dold, Herold Theodore.....Chicago
Dombrow, Rudolph Charles.....Chicago
Donaldson, Raymond Bierce.....Chicago
Donaldson, Samuel James.....Chicago
Donnelly, Michael John.....Chicago
Dudley, Harold Mann.....Evanston
Dunbar, John.....Chicago
Duncan, Arthur William.....Austin
Duncan, Clinton Everett.....Morgan Park
Early, Benjamin Blakeman.....Evanston
Eichenberg, Henry Ellis.....Chicago
Eliel, Edwin Folk.....Chicago
Ely, Laurence Driggs.....Evanston
Engleman, Theodore George.....Chicago
Eysenbach, H. Arnold.....Chicago

Fairweather, George Owen.....Chicago
Feery, Margaret Cecilia.....Elgin
Ferdinandson, Albert.....Chicago
Flentye, William Henry.....Chicago
Flury, Walter Frederick.....Maywood
Foerster, Paul, Jr.....Chicago
Ford, Charles Allinder.....Chicago
Forward, Wille Alvin.....Hyde Park
Foster, Leon P.....Chicago
Freilich, Ellis Benjamin.....Chicago
Frye, Nels.....Chicago
Furse, John Russell.....Chicago
Gaarden, John H.....Chicago
Gaddis, William Bert.....Oak Lawn
Gaensslen, Carl August.....Chicago
Gaither, William Robert.....Chicago
Geiss, William Henry.....Chicago
Gibson, William Carey.....Maywood
Gilby, Joseph Henry.....Chicago
Gilcrest, Paul Angelo.....Chicago
Gillies, Allastair.....Chicago
Gleason, Anna.....Chicago
Goebig, Harry Fred.....Chicago
Goldstein, Jacob Israel.....Chicago
Goodell, Robert Edward.....Chicago
Gosswiller, Franklin Charles.....Chicago
Gotsch, Martin L.....Chicago
Granberg, Oscar Emil.....Chicago
Grauer, Charles Robert.....Chicago
Graves, Charles Arthur.....Evanston
Gray John Robert.....Chicago
Gray, John Wesley.....Chicago
Greenwood, Robert Campbell.....Chicago
Gries, George Gibson.....Chicago
Gunther, Samuel Lazarus.....Chicago
Hagman, Victor Edwin.....Chicago
Hall, George Lauritz.....Chicago
Hall, John Sherman.....Chicago
Halsted, Guy Loomis.....Chicago
Hamilton, Richard Quintin.....Chicago
Harmon, William Bradley.....Chicago
Harnblom, William Clarence.....Chicago
Harraden, Charles Gordon.....Berwyn
Harrington, Charles Norman.....Oak Park
Harris, Albert Montague.....Chicago
Hausser, Arthur Henry.....Chicago
Hegberg, Reuben Oscar.....Chicago
Hesler, Edward August.....Chicago
Higgins, Richard William.....Chicago
Hoagland, Royal A.....Winnetka
Hoffman, Edward A.....Chicago
Hoffman, Joseph.....Chicago
Hogan, Walter Thomas.....Chicago
Holzer, Frederick L.....Chicago
Horton, Frank L.....Chicago
Horwich, Arthur Nathaniel.....Chicago
Hulbush, Nora Louise.....Evanston
Hummel, Jules Harry.....Chicago
Hunt, Jasper Newton, Jr.....Chicago
Hutchins, James C., Jr.....Chicago
Hutchison, George Elliott.....Chicago
Ireland, Charles Hammer.....Chicago
Jarchow, Christian Ehler.....Chicago
Jensen, Zopher Lacey.....Chicago
Johns, William Alfred.....Chicago
Johnson, Alexander.....Chicago
Johnson, Arthur Carl.....Chicago
Johnson, Edmund Charles.....Chicago
Johnson, Paul Clarence.....Evanston
Jones, Herbert.....Chicago
Jones, Homer P.....Chicago
Jooss, Eberhard Lothar.....Chicago
Kain, J. Edward.....Oak Park
Kearney, Thomas Vincent.....Chicago
Kelly, Joseph Sebastian.....Chicago
King, Thomas A.....Chicago
Koehn, Richard Charles.....Chicago
Kringel, Edwin William.....Oak Park
Larson, Arthur Willard.....Chicago
Lasher, Clayton Sanford.....Wilmette
Latus, William Henry.....Chicago
Laub, Albert Henry.....Chicago
Lautz, Arthur Garfield.....Chicago
Lowes, Charles Ernest.....Chicago
Lundblad, Byron.....Chicago
Lundgreen, Martin Emanuel.....Chicago
Luther, Grace Darling.....Chicago
Maddock, William Herbert.....Chicago
Maina, Arthur Albert.....Chicago
Manning, Horace.....Chicago
Markham, Frank Otten.....Chicago
Martins, Magnus J.....Chicago
MacArthur, Frederic V.....Chicago
McBrady, Edward John.....Chicago
McChesney, John Sherman.....Chicago
McGauley, Joseph.....Chicago
McGivern, W. A.....Chicago
McLaughlin, William Francis.....Chicago
McLerie, Harry.....Chicago
Mearns, Kenneth John.....Chicago
Merkes, George Evans.....Chicago
Merley, Oren Elsworth.....Chicago
Meyer, Charles John.....Chicago
Meyn, Henry John.....Chicago
Mitchell, Karl Maurice.....Chicago
Mitchell, Walter George.....Chicago
Michels, John Joseph.....Chicago
Millard, Harry.....Chicago
Mitten, Edward L.....Chicago
Moore, Donald Olin.....Chicago

Moore, James Joseph.....Chicago
Moore, Levering.....Hinsdale
Moore, William Antoine.....Chicago
Morris, John Fitz.....Chicago
Morrison, John Asa.....Chicago
Moulton, Melvin Wilbur.....Chicago
Mozingo, Frederick Parks.....Chicago
Mueller, Walter Andrew.....Chicago
Murbach, Fred George.....Chicago

Nedbal, Frank Thomas.....Chicago
Neel, Wirt Russell.....Chicago
Niven, Robert Marcus.....Chicago
North, Hugh.....Chicago
Nye, John William.....Evanston

O'Brien, Daniel William.....Chicago
Ogilvie, Alexander Wright Taylor...Chicago
Ohlin, John A.....Chicago
Oliver, David.....Chicago
Olsen, Edwin Oliver.....Chicago
O'Riley, James Edward.....Chicago
Osteurieder, Otto.....Chicago

Pamperien, Fred G.....La Grange
Paselk, Erich Friedrich.....Chicago
Perkins, Roy Francis.....Chicago
Plimpton, Nathan Cope.....Chicago
Poe, Floyd Simpson.....Chicago
Portley, Daniel Joseph.....Chicago
Price, Walter Holton.....Chicago
Primm, Clara Laura.....Urbana
Procter, Gilbert Calif.....Chicago
Purchase, Anson Graves.....Oak Park

Ransom, Scott.....Chicago
Read, Lyle D.....Chicago
Reebie, Arthur William.....Chicago
Reed, Franklin Holmes.....Chicago
Rexford, Frank Leslie.....Chicago
Reynolds, Frank George.....Chicago
Riggs, Harold Wade.....Chicago
Riley, Don Wright.....Oak Park
Robinson, Oscar E.....Chicago
Roche, Nicholas Thomas.....Chicago
Romanowski, Leon.....Chicago
Rosenthal, Herman Louis.....Chicago
Ross, William Bennett.....Austin
Ruckes, Jr., Joseph J.....Chicago

Sahs, Frank L.....Chicago
Sandberg, Joseph.....Chicago
Sanger, Walter Lee.....Chicago
Saunders, David Stevens.....Chicago
Sausser, Peter Leonard.....Chicago
Sayles, Charles Nehemiah.....Chicago
Schaefer, Louis.....Chicago
Schiff, Jeffrey.....Chicago
Schkurovich, George Joseph.....Chicago
Scholz, Ferdinand M.....La Grange
Schramm, Charles Ernest.....Chicago
Schramm, Ernst Godfred.....Chicago
Schulze, Richard.....Chicago
Scott, Orville John Homans.....Chicago
Shane, J. David.....Chicago
Short, Frank Elwin.....Chicago
Shultz, John Joseph.....Chicago
Shute, Herbert W.....Chicago
Silverman, Benjamin Harrison.....Chicago
Skurovich, Harry Joseph.....Chicago
Smith, Lewis A.....Evanston
Sommer, Edmund Totten.....Chicago
Speyer, John.....Chicago
Staehle, Robert.....Chicago
Staehle, William.....Chicago
Stahl, William Christian.....Chicago
Stanley, Charles R.....Chicago
Steelhammer, Arvid Morse.....Chicago
Steelhammer, Martin Frank.....Chicago
Steen-Pedersen, John O.....Oak Park
Stibbs, Harry Glenn.....Chicago
Stone, Elmer L.....Chicago
*Strombeck, John Fred.....Moline
Sullivan, Thomas Tilden.....Chicago
Swanson, Albert Edward.....Chicago

Thompson, Flora.....Chicago
Thorp, William John.....Chicago
Thulin, Fred.....Chicago
Timreck, Albert Henry.....Chicago
Tompkins, Norman Clyde.....Chicago
Tortorell, Joseph Nichols.....Chicago
Tracy, Frederick Earl.....Evanston
Traynor, William Bernard.....Chicago
Treleaven, Walter Samuel.....Oak Park
Trull, Albert Harrell.....Chicago
Tylman, Daniel Frank.....Chicago

Ullman, Jacob.....Chicago
Unger, Samuel.....Chicago
Utteg, William F. R.....Chicago

Vallette, Elbert Carlyle.....Chicago
Van Every, Thomas Bestor.....Evanston

Wakatsky, Yocie.....Chicago
Waldberg, Raphael.....Chicago
Wall, Edward Joseph.....Chicago
Wanamaker, John Calvin.....Chicago
Washburne, Clarke.....Chicago
Wells, Ernest Edward.....Chicago
Wermuth, William Charles, Jr.....Chicago
Westerdahl, Jalmar Peter.....Chicago
Whidden, John B.....Chicago
Whipple, Merrick Ames.....Chicago
Whisler, Samuel Carl.....Oak Park
Wiedeman, Charles Frederick.....Chicago

Willard, George A.....Oak Park
Winslow, Charles Morton.....Chicago
Wolf, Arthur.....Chicago
Wood, Edwin William.....Franklin Park
Works, Samuel Dwight.....Chicago
Zarobsky, Joseph James.....Chicago
Zillmer, Frank Gottfried.....Chicago
Zimmerman, Edwin Charles.....Chicago

School of Oratory

REGISTER OF STUDENTS 1909-1910

POST-GRADUATES

Balfour, Nina.....Augusta, Ill.
Buck, Lillian Morgan.....Elkton, S. D.
Dunlap, Clara May.....Hopkinton, Ia.
Ferris, Wauneta August.....Mitchell, S.D.
Grant, Nellie Allen.....Sparta, Ill.
Haven, Elizabeth Cushman....Ottumwa, Ia.
Heimerdinger, Alma Valora, Paynesville, Minn
Lutsch, Gertrude.....Chicago, Ill.
Samuelson, Georgia Eleanor.....New Windsor, Ill.
Wallace, Isabel.....Spencer, Ia.
Ward, Winifred Louise.....Eldora, Ia.
Willson, Maybelle Lucile....Edgerton, Wis.

SENIORS

Abernethy, Flossie Alma....Spokane, Wash.
Adams, Bessie Eleanor.....Madison, Wis.
Andrews, Margaret Christiana..Huron, S. D.
Aronson, Sigrid Lenore.....Evanston, Ill.
Barber, Isidore.....Ludington, Mich.
Berryman, Ada Leaming.....Chicago, Ill.
Boehrer, Blanche.....Durand, Wis.
Bohri, Florence.....Clark, S. D.
Boies, Ruth May.....Quasqueton, Ia.
Botkin, Ina.....New Point, Mo.
Brokaw, Eugenia.....Kasbeer, Ill.
Caffray, Francis Andrew...Mound City, Mo.
Clarenbach, Louise.....Sheboygan, Wis.
Corlis, Alida Elizabeth.....Sabula, Ia.
Crutchfield, Floyd.....Chicago, Ill.
Dallenbach, Hazel Anna....Champaign, Ill.
Dunckel, Emma Ware.....Butte, Mont.
Dunn, Rachel Frances.....Warren, O.
Fairchild, Effie.....Flora, Ill.
Foster, Helen Madelyn.....Washington, Pa.
Fugard, Zada Zoe.....Pueblo, Colo.
Furnas, Lucile.....Cedar Rapids, Ia.
Gehl, Wilhelmine.....Traer, Ia.
Gilson, James Harold.....Newton, Ia.
Grove, Edna May.....College Springs, Ia.
Harrison, Norma Rose.....Cleveland, O.
Hillier, Lillian.....Waunakee, Wis.
Holton, Mary Ward.....Indianapolis, Ind.
Hotchkiss, Mary.....Fox Lake, Wis.
Hyatt, Christiana.....St. Louis, Mo.
Irish, Leita.....Forest City, Ia.
Johnson, Lucene Helen....Logansport, Ind.
Keys, Freda Lorraine..Richland Center, Wis.
Kinney, Emma.....Colfax, Wis.
Kramer, Mellie Josephine.....Keota, Ia.
Martin, Grace June.....Wessington, S. D.
McBurnett, Madeline.....Rockport, Tex.
McClanahan, Helen Louise..Kirkwood, Ill.
McElrath, Alice Heathcote....Moville, Ia.
Moore, Mary Talbot....Ravenswood, W. Va
Packard, Hazel.....Redfield, S. D.
Parks, Addie Belle.....Fillmore, Mo.
Powers, Gertrude Eloise.....Grand Rapids, Mich.
Reedy, Hazel Edna.....Toledo, Ia.
Rehwinkel, Frank Albert.....Oshkosh, Wis.
Rogers, Irene Marguerite....Denver, Colo.
Rostock, Benjamin Franklin..Evanston, Ill.
Roth, Elfrieda Henrietta....Sheboygan, Wis.
Roger, Carolina.....Garnett, Kan.
Seyler, Mabel.....Preemption, Ill.
Slocumb, Anna Marie.....Quincy, Ill.
Smith, Coral.....Morrisville, Mo.
Smith, Gladys Ayres.....Webster City, Ia.
Stewart, Jennie.....Livonia, N. Y.
Stout, Queen Bess.....Tipton, Ia.
Swan, Bertha May.....Wellington, Kan.
Trager, Bess Lucile.....Jefferson, Wis.
Trew, Helen.....West Farmington, O.
Vincent, Nellie.....Park Falls, Wis.
Watkins, Ollie.....Nevada, Tex.
Webster, Winifred Cecil.....Cresco, Ia.
Weese, Edith Mae.....Joliet, Ill.
Wheeler, Emily Jeanette.....Paw Paw, Ill.
Whiteway, Frances Ellen.....Chicago, Ill.
Wright, Paul Blaine....Nebraska City, Neb.
Yourex, Kate Louise.....Welland, Ont.

JUNIORS

Abrams, Etta Pearl.....Ray, Ind.
Adams, Bessie Eleanor.....Madison, Wis.
Alden, Helen Gertrude.Grand Rapids, Mich.
Archer, Edna.....Garnett, Kan.
Baker, Florence Elizabeth.....Dennison, Ia.
Bakewell, Myrtle Mabel.....Lansing, Iowa
Barry, Elizabeth.....Sioux City, Ia.
Bassler, Edna May.....Lima, Ohio
Blake, Cornelia Mary.....Evanston, Ill.
Booth, Clio Safford.....Evanston, Ill.
Brown, Hazel June.....Peoria, Ill.
Bryant, Marjorie Adeline...Bloomington, Ill.
Bryant, Mary Edna.....Malta, Ill.
Butterfield, Roxena.....Mitchell, S. D.
Cadwell, Nellie Mae....Stewartville, Minn.
Conoway, Jessie Florence.....York, Neb.
Cook, Sadie Lois.....Lake Mills, Wis.
Countryman, Marguerite Marcella.....
.....Aberdeen, S. D.
Craymer, Loring G.....Morris, Ill.
Dalzell, Alice Love.....Muir, Mich.
Deardorf, Bertha Kyle.....Shadeland, Ind.
De Coudres, Frances Anna....Evanston, Ill.
Downes, Birdie May.....Peoria, Ill.
Dunn, Laurinda Edith.....Robinson, Ill.
Farlow, Jessie.....Rapid City, S. D.
Farman, Florence.....Rushville, Neb.
Fishel, Hazel Marie.....Deadwood, S. D.
Fitch, Ernest Louis.....Ludington, Mich.
Foley, Faith.....Wawatosa, Wis.
Frantz, Eula May.....Paw Paw, Ill.
Furman, Irene.....Chicago, Ill.
Gilmore, Inez.....Oneida, Kan.
Glaze, Etta Florence.....Dayton, Ohio
Greenawalt, Helen Ankeny..Milledgeville,Ill.
Greene, Harry.....Garnett, Kan.
Grimm, Hilda Mariette.....Jefferson, Wis.
Griscom, Elwood, Jr.....Moorestown, N.J.
Hall, Estelle.....Morgantown, W. Va.
Harper, Irene Gwendolyn....Evanston, Ill.
Higgins, Katharine.....Stockton, Kan.
Hutchison, Katharine Philippa.....
.....Mineral Point, Wis.
Kaltenbrun, Caroline.....Wilmette, Ill.
Kelley, Mae Elizabeth.....Loda, Ill.
Kincaid, Grace.....Springfield, Ill.
Martin, Isabella Bernardine....Eureka, Kan.
Matthews, Mayme.....Franklin, Ind.
McCook, Allie May.....Cresco, Ia.
McKnight, Clara Ellen.....Chetopa, Kan.
Medbourne, Bess Emily.....Culver, Ind.
Mitchell, Minnie Hughes....Whatcheer, Ia.
Moench, May Alice.....Gowanda, N. Y.
Morey, Susie Grace.....Manistee, Mich.
Nelson, Carrie G.....Revillo, S. D.
Nickey, Gladys.....Milwaukee, Wis.
Nusbaum, Leona.....Middleburg, Ind.
Otter, Annie Mary.....Clark, S. D.
Owens, Georgia May.....Chicago, Ill.
Parks, Olive.....Watertown, Wis.
Porter, Ivy B.....Momence, Ill.
Randall, Marion.....Fpworth, Ia.
Richards, Josephine.....Edgar, Neb.
Roberts, Mary Ethel..Belle Fourche, S. D.
Rothrock, Elizabeth Lucile.....
.....Lafayette, Ind.
Ruthenberg, Florence Mabel..Muscatine, Ia.
Schafer, Stella.....Melvin, Ill.
Shinn, Fannie Lloyd.....Ames, Ia.
Silloway, Renia.....Minneapolis, Minn.
Slane, Mabel Powell.....Peoria, Ill.
Smith, Rachael.....Montezuma, Ia.
Stewart, Anna.....Indianapolis, Ind.
Sullivan, Alice Constance....Cherokee, Iowa
Strawman, Elso.....Anamosa, Iowa
Sweet, Boneita May.....Andover, Ohio
Van Aken, Bertha Cook....Hillsdale, Mich.
Walker, Myrtle Elizabeth..Hazelhurst, Pa.
Warner, Marjorie.....Faulkton, S. D.
Weeks, Fred Allan.....St. Paul, Minn.
Welton, Fern Iris.....Morris, Ill.
Weyer, Clara Elizabeth....Faribault, Minn.
Williams, Eula Frances.....Princeton, Ill.
Wilson, Alla Jeannette....Reedsburg, Wis.
Wynkoop, Vera.....Traverse City, Mich.

SPECIAL STUDENTS

Armitage, Clyde.....Evanston, Ill.
Baker, Edna.....Evanston, Ill.
Barter, Percy.....Evanston, Ill.
Barnstable, Reginald.....Isabel, Kan.
Berryman, Ada.....Ravenswood, Ill.
Bogardus, Emory.....Belvidere, Ill.
Brown, Grace.....Peoria, Ill.
Carter, Ruth.....Evanston, Ill.
Carter, Allan.....Evanston, Ill.
DeBra, Blanche.....Mt. Vernon, Iowa
DeKlotz, Fanny.....Kirkman, Iowa
DeYoe, J. Willard.....Norwood Park, Ill.
Edmondson, Charles.....Evanston, Ill.
Edginton, Mrs. J.....Chicago Heights, Ill.
Edwards, Phirman.....Chicago, Ill.
Ellis, John.....Fairfield, Ill.

Everz, Marie.....Evanston, Ill.
Gilbert, Grace.....Onarga, Ill.
Gibson, Irma.....South Bend, Ind.
Gradle, Roy.....Chicago, Ill.
Grimes, Maggie.....Decatur, Ohio
Hagler, Esther.....Milwaukee Wis.
Hart, Lucy.....Evanston, Ill.
Hawxhurst, Ralph.....Evanston, Ill.
Haas, Felix .....Butler, Ill.
Head, Cloyd.....Chicago, Ill.
Hewitt, Mattie.....Belvidere, Ill.
Hoon, Clarence.....Kokomo, Ind.
Horning, Dorothy.....Evanston, Ill.
Imlach, Jessie.....Canada
Just, Eleanor.....Minneapolis, Minn.
Kline, George.....Evanston, Ill.
Kirkpatrick, Blaine.....Raub, Ind.
King, Clyde.....Independence, Mo.
Loucks, Vernon Reese.....Chicago
McCord, Belle.....Pocahontas, Ill.
McDade, Edwin.....Redoat, Iowa
Merry, Clem.....Evanston, Ill.
McKinley, Grace.....Chicago, Ill.
Moore, Gerald.....Chicago, Ill.
Oliff, Lillian.....Ypsilanti, Mich
Perkins, Jeanette.....Evanston, Ill
Perkins, Margaret.....Evanston, Ill
Pooley, Eleanor.....Evanston, Ill
Porterfield, Jean.....Marionette, Wis
Pierce, Nelson.....Edgewater, Ill
Reed, Charles.....Lyons, Kan
Robbins, Robert.....Tacoma, Wash
Rodgers, Chas.....Strawberry Pt., Ia
Rommel. Fred.....Evanston, Ill
Schell, Viola.....New Ulm, Minn
Scott, Oriole.....Evanston, Ill
Shornon, Wiley.....Evanston, Ill
Shoyer, Jones.....Painville, Ind
Stewart, Arthur.....Chicago, Ill.
Singleton, Willard.....Evanston, Ill.
Somerville, Esther.....Evanston, Ill.
Simmonds, James.....Miami, Ohio
Smith, Bert.....Evanston, Ill.
Wallace, Isabel.....Spencer, Ia.
Watson, Joseph.....Monon, Ind.
Wermuth, William.....Chicago, Ill.
Wilcox, Muriel.....Hammond, Ind.
Winter, Otto.....Belleville, Ill.

Garrett Biblical Institute

LIST OF STUDENTS OF THE ACADEMIC YEAR 1908-1909 WHO REGISTERED AFTER THE ISSUE OF THE CATALOGUE OF THAT YEAR

CANDIDATES FOR A DIPLOMA

Johnstone, N. W.....Oskaloosa, Kan.
Taylor, Samuel.....Big Timber, Mont.

SPECIAL STUDENTS

Fanebust, Mary Louise.Castlewood, So. Dak.
Minkler, Effie May.....Ocheyedan, Iowa

FROM THE COLLEGE OF LIBERAL ARTS

Lansdowne, Burdette .....Chicago

REGISTER OF STUDENTS 1909-1910

GRADUATE STUDENTS

Bissinger, Jacob.....Wapello, Iowa
Chew, Nathaniel Durban.....Adrian, Mich.
Henke, Arthur William.....Charles City, Iowa
A.B. Charles City College; B. D. Garrett Biblical Institute
Holland, Robert Thomas.....Scottville, Ky.
A.B. Western Kentucky Normal; S.T.B. Grant University

CANDIDATES FOR A DEGREE

THIRD YEAR

Crowther, James Edwin.....Evanston
A.B. Dakota Wesleyan University
Edgington, Clinton A. R.....Arlington Heights
A.B. Ohio Wesleyan University

Evans, John Davis.....Gettysburg, So. Dak.
Ph.B. Dakota Wesleyan University
Gethmann, Charles Wesley.....Gladbrook, Iowa
A.B. Charles City College
Gethmann, Walter Wesley.....Reinbeck, Iowa
A.B. Charles City College
Johnston, Raymond H.....Sweetwater, Tenn.
A.B. Emery and Henry College
Kingsley, Ira Willard.....Cheyenne, Wyo.
Lehman, John Otley.....Decatur
A.B. Findlay College
McLaughlin, Oscar B.....Loudenville, Ohio
A.B. Baldwin University
Nagler, Arthur Wilford.....Charles City, Iowa
Ph.B. German Wallace College; A.M. Baldwin University
Rodgers, Charles Willis.....Strawberry Point, Iowa
B.S. Upper Iowa University
Simmonds, James Pottenger.....Miama, Ohio
A.B. National Normal University
Smith, Horace Greeley.....Ransom
A.B. Northwestern University
Stolz, Frederick.....Grand Rapids, Mich.
A.B. German Wallace College; B.D. Nast Theological School
Walker, Joel Colson.....Harrison, Ohio
A.B. Moores Hill College
Wilson, John Edward.....McCracken, Kans.
B.Ped. Kansas Wesleyan University
Wood, Otho Don.....Bedford, Iowa
A.B. Cornell College

SECOND YEAR

Bettenhausen, Henry Martin.....Manhattan
A.B. German Wallace College
Brogan, James Calvin.....Weatherford, Okla.
A.B. National University
Coe, Albert E.....Sterling
Fisk, Bradford Truesdale.....Grand Island, Neb.
B.S. Grand Island College
Fowler, James Herbert.....Doniphan, Neb.
A.B. Nebraska Wesleyan University
Heinlein, Arthur Allen.....Decatur
A.B. Illinois Wesleyan University
Hinkle, John Milton.....Bloomington, Ind.
A.B. Indiana University
Hints, William.....Monroe, Mich.
Hurst, Clifton N.....Oswego, Kans.
A.B. Texas Holiness University
Janssen, Gerald John.....Springfield
A.B. Central Wesleyan University
Jones, Alva Putnam.....Chattanooga, Tenn.
B.Ped. Chattanooga University
Jordan, Clifford Charles.....Wasca, Tex.
Ph.B. Kansas Wesleyan University
Lawson, Peter Jacob.....Lyons, Neb.
A.B. Nebraska Wesleyan University

Leslie, William Robert.....Tolono
A.B. Northwestern University

Orth, Lafayette Lorenzo.....Fort Recovery, Ohio
Ph.B. Northwestern University

Putnam, Irving Ellsworth.....Bedford, Iowa
A.B. Cornell College

Ross, David Harris.....Willard, Mo.
B.S. Morrisville College

Shoemaker, George Milton.....Volga City, Iowa
A.B. Cornell College

Wash, George A.....Milford, Neb.
A.B. Nebraska Wesleyan University

Wiese, Carl Henry.....Kewaunee, Wis.
A.B. University of Puget Sound

Wilkinson, James Ernest.....Neepawa, Can.
Ph.B. Hamline University

FIRST YEAR

Bennett, Eralza Allen.....Madison, S. Dak.
Ph.B. Morningside College

Brown, Joseph Charles.....Litchfield
A. M. McKendree College

Collins, Dan D.....Collinsville
A.B. McKendree College

Crawford, John Orlando.....Resort, Ky.
A.B. Kentucky Wesleyan University

Daschler, Albert Frederich.....Staples, Minn.
A.B. Central Wesleyan College

Evans, John Ellis.....Topeka, Kans.
A.B. Simpson College

Hamilton, Albert William.....Litchfield
A.B. McKendree College

Holmes, Merrill Jacob.....Indianola, Iowa
A.B. Simpson College

Hurlburt, Joseph Sage.....Freedom Station, Ohio
A.B. Ohio Wesleyan University; A.M. Boston University

Jones, Oscar Francis.....Mason City
B.S. Illinois Wesleyan University

Kiser, Stephen Lott.....Sedgwick, Kans.
A.B. Baker University

Lease, William Henry.....Plover, Iowa
A.B. Morningside College

Long, John Fletcher.....Tacoma, Wash.
A.B. University of Puget Sound

Millard, Richard Marion.....Athens, Tenn.
University of Chattanooga

Morrow, Harry Earl.....Cedar Falls, Iowa
B.S. Iowa State College

Putnam, Charles Henry.....Bedford, Iowa
A.B. Cornell College

Rankin, Julian Jerome.....Wanatah, Ind.
A.B. Central Normal College

Singleton, James Herbert.....Buckley
B.S. Northwestern University

Stuntz, William Oliver.....Pacific Grove, Calif.
A.B. Leland Stanford University
Tink, Albert Edward.....Brooklyn Ont.
A.B. Northwestern University

CANDIDATES FOR A DIPLOMA

THIRD YEAR

Barnstable, Reginald.....Isabel, Kans.
Bohnert, Leslie.....Hayesville, Ohio
Cates, Silas Louis.....Topeka, Ind.
DeYoe, Jay Willard.....Keota, Iowa
Edmondson, Charles Manson.....Evanston
Ellis, John Sherman.....Fairfield
Grove, Paul Luther.....Leipsic, So. Dak.
Hollingsworth Thomas Russell.....Grant City, Mo.
Hoon, Clarence Earl.....Kokomo, Ind.
Hurtt, William LeRoy.....Paynesville, Ohio
King, Clyde David.....Independence, Mo.
Leitzell, Charles Edward.....Evanston
McDade, Edwin Charles.....Red Oak, Iowa.
A.B. Cornell College
Martin, Laurel Vollie.....Independence, Kans.
Milholland, Paul.....Austin
Munch, Henry Curtis.....Lovington
Nixon, Frederick Butler.....Sac City, Iowa
Parker, Thomas LeRoy.....Winfield, Kans.
Payton, Julius Byrd.....Seward, Kans.
Powell, William Frank.....Grandville, Ohio
Ph.B. Dennison University
Rarick, Jennie.....Osceola, Iowa
Rarick, Monroe Jackson.....Osceola, Iowa
Shroyer, James Leslie.....Plainville, Ind.
B.S. Moores Hill College
Wall, Erastus Lewis.....Rockport, Me.
A.B. Bates College; LL. B. University of Maine
Wickard, Morton Dennis.....Maxwell, Iowa
Woodmansee, Cicero McGown.....Evanston

SECOND YEAR

Adair, Joseph Peregoy.....Beyesville, Ohio
Blewfield, Floyd Leslie.....Rockford
Blough, Edwin James.....Forest Park
Braby, Norman Dan.....South Nutfield, Eng.
Challman, Oscar Critiof.....Hobart, Ind.
DeLacy, John H.....Evanston
Duncan, Charles Morris.....Evanston
A.B. McKendree College
Edwards, Phirman.....Chicago
Fanebust, Nels.....Castlewood, S. Dak.
Hall, George Robert.....East St. Louis
Hartshorn, Albert Walker.....Weiser, Ida.
Howe, Halbert Howard.....Evanston
Larson, Einar.....Maywood
McCoy, Raymond Charles.....Evanston

McDonald, George Washington.....Mediapolis, Iowa
Minkler, Roy Glen.....Ocheyedan, Iowa
Ph.B. Morningside College
Nelson, Arnold.....San Fransisco, Calif
Parker, Harry Grant.....Glenwood, Iowa
Perry, John William.....Franksville, Wis.
Rich, Grace Eichelberger.....Cedar Rapids, Iowa
A.B. Coe College
Rich, Guy Cephas.....Cedar Rapids, Iowa
Root, Herbert Jackson.....New London, Conn.
Sandmeyer, Edwin Gustave.....Quincy
Schafer, Arthur.....South Bend, Ind.
Schuerman, William Jacob.....Emporia, Kans.
Stephenson, Emma.....Owendale, Mich.
Stephenson, Robert.....Owendale, Mich.
Stewart, John Forrest.....Marietta, Ohio
Tremaine, Myron David.....Evanston
Wetzel, Reuben Meyer.....Jamesport, Mo.
Will, Benjamin.....Chicago

FIRST YEAR

Austin, John.....Edgerton, Can.
Blackstock, William Ernest.....Rutland, Iowa
Briggs, Frank Roy.....Winslow
Bryans, Alexander.....Solomon, Kans.
Church, Fred William.....Wellsville, N. Y.
Clements, Emmett Ekert.....New Hartford, Iowa
Corrie, Carl Milford.....Monon, Colo.
Cox, J. Paris.....North Judson, Ind.
Cronk, Winfred C.....Chicago
Dussair, John Carl.....Evanston
Hamrick, Hiram Loran.....Leland
Hartley, Helen Rosetti.....Pottsdam, N. Y.
Hofstad, Ottar.....Stordin, Minn.
Hoon, Theodore Ernest.....Beaucoup
Johnston, Carl Florentine.....Kansas City, Mo.
Laird, Edwin James.....Evanston
B.Ped., Kansas Wesleyan University
Lang, Hugo Bruno.....Tinley Park
Luther, Eugene Adam.....Walnut
McCane, Samuel.....Evanston
McDonald, John Herbert.....Erie
Maltitz, Erich von.....Chicago
Mishkoff, Paul L.....Haskovo, Bulgaria
Palmer, Normal Grant.....Crawford, Neb.
Pardun, Walter David.....Clarion, Iowa
Peterson, Halbert Stephen.....Lafayette, Ind.
Preston, Clarence Raymond.....Cleveland, Ohio
Purple, LeRoy E.....Remington, Ind.
Roush, Burdett.....Remington, Ind.
Shafer, Avery Luther.....Robinson
Shenefelt, Orville Porter.....Eureka, Mont.
Smoot, Harry Wilbur.....Bone Gap
Snow, Walter Charles.....Boscobel, Wis.
Wolcott, John Drake.....Vincent, Iowa

SPECIAL STUDENTS

Ashton, George Monroe.....Pella, Iowa
B.S. Penn College
Baumann, Wilhelm.....Evanston
Bennett, Alma Florence.....Madison, So. Dak.
Berggreen, Andrew.....Brooklyn, N. Y.
Crawford, Nella Alice.....Kamrar, Iowa
Duncan, Susie Louise.....Evanston
Dussair, Bertha.....Quincy
Fanebust, Mary Louise.....Castlewood, So. Dak.
Janssen, Carrie Barz.....Springfield
Johnson, J.....Evanston
Kirkpatrick, Blaine E.....Raut, Ind.
Long, Wallace Winfield.....Cadillac Mich.
Minkler, Effie May.....Ocheyedan, Iowa
Nordos, William R.....Kenosha, Wis.
Odegaard, Andrew.....Portland, Ore.
Patten, Helen Prindle.....Evanston
Pider, Myrtle.....Mankato, Kans.
Poulsen, John M.....Portland, Ore.
Sandmeyer, Hillis Parker.....Galesburg
Shroyer, Estella May.....Plainville, Ind.
Sprouse, Claude Willard.....Chemung
Wood, Leon.....Evanston

Swedish Theological Seminary

REGISTER OF STUDENTS 1909-1910

FOURTH YEAR

Carlson, Alfred D.....Kingsburg, Calif.
Ericson, Rudolph.....Chicago
Nyden, August.....Brooklyn, N. Y.
Sundgerg, Oscar.....Ishpeming, Mich.
Wahlstrom, Gustave.....Menominee, Mich.
Westman, Gustave.....St. Paul, Minn.

THIRD YEAR

Erickson, Carl J.....Waukegan
Holmes, Carl A.....Galesburg
Johnson, Otto.....Wausau, Wis.
Liljevall, Carl A. R.....Newport, R. I.
Livingstone, Theodore.....Escanaba, Mich.
Magnuson, Emil.....Batavia

SECOND YEAR

Carlson, John.....Falconer, N. Y.
Chellgran, William.....Racine, Wis.
Johnson, Oscar.....Stillwater, Minn.
Malmquist, Gustave.....Pasadena, Calif.
Olson, Gordon.....Chicago
Sundstrom, Newton.....McKeesport, Penn.

FIRST YEAR

Annlund, Francis.....Chicago
Jensen, Carl J.....Highwood
Nelson, William.....St. Charle
Olson, Oscar V.....West Pullman
Swedberg, Andrew.....Des Moines, Iowa
Wilson, Algat.....Los Angeles, Calif

Norwegian-Danish Theological School

REGISTER OF STUDENTS 1909-1910

Bakken, Bernt Olav.....Evanston
Baumann, Wilhelm.....Kathryn, No. Dak
Berggreen, Andrew.....Brooklyn, N. Y.
Bringedahl, Joachim Gerhard.....Seattle, Wash.
Fosdal, Sigbjorn.....Stoughton, Wis.
Green, Andrew.....Kenosha, Wis.
Haugland, Peder.....Virginia, Minn.
Helikson, Daniel.....Franklin Mine, Mich.
Hofstad, Ottar.....Storden, Minn.
Johnson, Johan.....Spokane, Wash.
Kvisgaard, Olav.....Duluth, Minn.
Nordos, William.....Kenosha, Wis.
Odegaard, Andrew.....Portland, Ore.
Ofstie, Paul Wesley.....Spring Valley, Wis.
Paulsen, John.....Portland, Ore.
Pederson, Peder.....Marinette Wis.
Smith, Jens.....Green Bay, Wis.
Stone, Jens.....Stillwater, Minn.
Thompson, Carl.....Omaha, Neb.
Vereide, Abraham.....Kenosha, Wis.

Degrees Conferred, 1908-1909

Honorary Degrees

George Peck Merrick.....Master of Laws
Of the class of 1884
Clarence Dickinson.....Master of Arts
Robert Hugh Morris.....Doctor of Divinity
Pastor of the First Presbyterian Church, Evanston
Emily Huntington Miller.....Doctor of Literature
Herbert Spencer Hadley.....Doctor of Laws
Governor of Missouri
Herman deLagercrantz.....Doctor of Laws
Swedish Ambassador to the United States

Degrees in Course

John Earnest Alman.....Master of Arts
Thesis: New England Emigrant Aid Company
C. Martin Alsager.....Master of Arts
Thesis: The right of expulsion
Frank M. Beatty.....Master of Arts
Thesis: International rights arising from the injury of aliens by local mobs
Emory Stephen Bogardus.....Master of Arts
Thesis: A study in the psychology of adolescence
Estella May Boot.....Master of Arts
Thesis: Ancient sources of Latin grammar
Edna Bronson Campbell.....Master of Arts
Thesis: The Epic of Turnus; a metrical translation of selections from the last six books of Virgil's Aeneid
Ralph Edwin Church.....Master of Arts
Thesis: What is the place of contract, where it is in fact made, or where it is to be performed?
Thomas Matthew Dahm.....Master of Arts
Thesis: Time-strain and elastic after-effect
Charles Ross Dines.....Master of Arts
Thesis: The harmonics of a stretched string vibrating in a resisting medium
Effie Virginia Fixen.....Master of Science
Thesis: Floral development in ribes
Tobias Foss.....Master of Arts
Thesis: Religion and morals in their historical relations
John Lewis Gust.....Master of Arts
Thesis: The limitations of the treaty-making power
Charles Henry Haile.....Master of Arts
Thesis: Ethos of the metre in Homer's Iliad
Melvin Moses Hawley.....Master of Science
Thesis: Legal and constitutional obstacles to effective administration in Illinois
Enid Hennessey.....Master of Science
Thesis: Histological study of sensory ganglia in birds
Daniel Franklin Higgins, Jr.....Master of Science
Thesis: Granites of Prince William Sound, Alaska
Louis Ernest Hildebrand.....Master of Arts
Thesis: Homologies in the roof of the thalamencephalon mammals

Lillian Gertrude Huggett.....Master of Arts
Thesis: The Celtic elements in the story of Balin and Balan
Albert Julius Jockisch.....Master of Arts
Thesis: Goethes Verhältnis zur englischen Literatur in seinen Briefen und Tagebuchern
Heber Dayton Johnson.....Master of Arts
Thesis: The relation of the magic lance to the Holy Grail stories
Henry William Limper.....Master of Arts
Thesis: The social teaching of the Hebrew prophets of the eighth century, B. C.
Roxie Belle McCord.....Master of Arts
Thesis: A biographical study of William Ewart Gladstone
John Price Odell.....Master of Arts
Thesis: The short story
Charles Wesley Darwin Parsons.....Master of Arts
Thesis: Simple experimental evidence for the presence of ions
Dorothea Johanna Sophie Pietsch.....Master of Arts
Thesis: Geothes Pädagogik
George Orin Schryver.....Master of Arts
Thesis: History of the elegiac verse in Germany
Virgil Ray Stephens.....Master of Science
Thesis: Origin and development of the head kidney in birds
Karl Ruf Stolz.....Master of Arts
Thesis: The Messianic ideas and ideals of the apocryphal and pseudepigraphical writings
Maurice Eschner Vasen.....Master of Arts
Thesis: Federal regulation of insurance as applied to fire insurance
William Jerome Wilson.....Master of Arts
Thesis: Influence of Greek philosophy on the writer of Ecclesiastes

BACHELOR OF ARTS

Orrington Crews Foster
as of the Class of 1862

Daniel Anderson
Clyde Foster Armitage
Frazer Arnold
Alice Babb
Clara Belle Baker
Sarah Edith Baxter
Agnes Elizabeth Becker
Gertrude Becker
Robert D. Brackett
Christy Brown
Jacob Richter Buchbinder
Flora Lucy Caulkins
Estelle Osborn Clark
Edith Virginia Cochran
William Robertson Cook
Frank Leslie Cooper
Ethel Mary Cowles
Helen Cowles
Castle Camille Crain
Wilmot Flint Crozier
Marie Dorothy Davidson
Mabel Dillon
Florence Eckert

Edward Wilson Spencer
as of the Class of 1862

Harriet Barton Eddy
George Frederick Falley
Grace Mary Fowler
Joseph Blythe Garnett
Earl Stewart Gibson
James Harold Gilson
Abbie Gertrude Goodsmith
Pearl Stuart Greene
Frances Pearl Greenough
Mabel Rose Gruner
Alice Idell Guffin
Cora Guthier
Marie Madeleine Haefliger
Sarah Elizabeth Haines
Forest Walker Hanna
Corabel Kate Harwood
Cloyd Simmons Head
Chauncey Goodrich Hobart
Amalia Ida Hoffmann
Dorothy Horning
Rhys Price Jones
Marien Musgrave Keyes
Kathryn Allegra Kletzing

Charlotte Lowe
Charles Sherman McClure
James Henry MacDonald
Kathryn Wilmot McGovern
Margaret MacGregor
Ruth McPherrin
Edward Winifred Marcellus
Amy Marguerite Martin
Mary Mauel
Fred Clifford Meyer
Floyd Cleveland Miller
Mabel Lucile Miller
Max Garver Miranda
Elien Pearl Montague
Gerald Grattan Moore
Carrie Cade Patton
Samuel Edgar Pollock
Georgia Proctor
Jennie Rae
Elizabeth Rainbow
Louise Elizabeth Schell
Agnes Seineke
Florence Lillian Smith
Ivan Chester Smith
Mary Madge Sparks
Abby Louise Tallmadge
Helen Gaff Tanquary
Helen Carolyne Taylor
Alexander Todoroff
Lowell Leslie Townsend
Eston Valentine Tubbs
Charles Hamilton Watson
Georgia Louisa Watson
Alfred Burman Wells
Esther Lucy White
Muriel Estelle Wilcox
Gladys Wilson
Katharyn Mae Wood

BACHELOR OF SCIENCE

Amy Amidon
Myrtie Adella Barnes
Edward Clayton Bartlett
John William Boren
John Charles Burg
Gilbert Lewis Campbell
John Smith Culbertson
George Oliver Curme, Jr..
Louise Jeannette Dalbey
Catharine Laura Donaldson
Bessie Ellen Drew
Carl Francis Focht
June Fulmer
Mabel Ethlind Gilchrist
Rubey James Hamilton
Claude William Heaps
Frederick Merwin Heller
Isaac Harvey Hull
Ava Farwell Hunt
Fanny Gladys Kaye
John Wesley Kercher
Edith Orilla Knox
Edna Matilde Konsberg
Edwin Ferdinand Lee
Ethel Gertrude Manley
Edward Garfield Montgomery
Vernette Belle Moore
Leonard J. Murphy
John Hiram Norris
Ambler Baxter Patton
Elmer Harry Poutra
Mabel Grace Proctor
Leslie Hall Redelings
Edward Brown Roberts
Persis Rollins
Emily Schaff
James Herbert Singleton
David Livingstone Soltau
Theodore Stanley Soltau
William Mason Springer
Charles Garnet Trimble
Lewis Martin Watson
Charles Connor Wells
Charles John Wendland
William Charles Wermuth
Delia Alice Williams
Leon Theodore Wilson

DOCTOR OF MEDICINE

Harry William Ackemann
George Alexis
Orris Thomas Allen
Royal Glenwood Anspach
Guy Edward Armstrong
Gilbert Haven Alying
Roy Edgar Barrows
Henry Nicholas Barth
Edmund Adelbert Behrendt
George William Belting
Emil Lawrence Bernard
Harry Bernard Bernhardt

John Ten Broeck Bird
Arnold Charles Blattspieler
Edwin Everett Bond
Flint Bondurant
Andrew Bonthius
Coran Louis Bourdeau
Midian Othello Bousfield
William Baldwin Bowers
Albert William Broberg
Stanley Lee Brown
Walter Jacob Brunner
Ben Garfield Budge
Edwin Stratford Budge
Herman Niels Bundesen
Arthur DeLyons Butler
Harold Manlove Camp
John Ladislaus Canavan
Earle Emory Cannady
Hayes William Carlin
Harry Ray Carson
Thomas Goodell Charles
Warren Walter Chase
Anderson William Cheatham
Colvin Burr Childs
Walter B. Christophel
Ralph A. Claridge
Charles Logan Closson
William Homer Collins
William Thomas Collins
William O'Keefe Copps
George Walter Cornett
William Simon Crowley
Meville George Danskin
Bert Anderson Dannenberg
James Aloysius Dardas
Colbert Smith Davis
Fred C. Denny
Andrew Joseph Devany
Henry Bardwell Donaldson
Ruel Norman Dunnington
Edward Everett Edmonson
Joseph Eisenstaedt
Pehr Wilhelm Eliason
Clifford Cowdell Ellis
Haydn Lyle Fischer
Matthew Joseph Fitzpatrick
Wilhelm Rudolph Fisher
Arthur John Fletcher
John Kirk Formis
Cleveland V. Frederich
Louis Augustus Fuerstenau
Oscar Brunk Funkhouser
Raymond Walter Furman
August Edward Gerhardt
Adeeb Ibrahim Ghabriel
Thomas Ray Gledhill
Charles George Goll
Aurel Goodwin
Harry Edmund Gowland
George Ben Greenbaum
Wilho Arvid Groenlund
Corwin Peter Groom
Claude Emmett Hamill
Benjamin Charles Hamilton, Jr.
Noah Robert Harlan
Monroe Harris
Eugene Laurence Hartigan
M. Edward Healy
David Leonard Hedberg
John Thomas Henderson
Emory Le Roy Hess
Edward Calder Heston
Charles Stephen Hickman
Walter Higgs
Lester Harper Hills
Frank Arthur Holzhauer
Reid Owen Howser
George Archibald Hutchinson
Otto Heber Jeppson
Daniel Dailey Jones
Harold Eldred Jones
Niel Jorgensen
Philemon Merrill Kelly
Henry William Kern
Francis Constantine Kienzle
Philip Heinrich Kreuscher
John William Landgraf
Oscar Frederick Lang
Joseph Emanuel Larson
Isaac Wellman Leighton
Francis John Lepak
Arthur Robert Lindsay
Hugh Harrison Linn
Raymond Stanley Love
Edward Walsh Lyons
Walter Wallace McCabe
James Harold McClanahan
William Leander McClure
Anderson Eddie McDowell
Harry R. McGee
Frank Thomas McGuinn
Emery Ernest Magee
Dale Martin
Everett Lee Mason
Simon Wenzel Melzer
Edmund Herman Mensing
John Mills Minter
Harry Collier Mix
Frederick John Mitchell
William N. Moore

James Henry Moran
George Thomas Mountford
Adolph Herman Nahman
Conrad A. Neumann
Harris Andrews Newell
John Ross Neal, Jr.
Frederick Cornelius Nilsson
Elmer Edwin Nystrom
Abraham Max Oberman
Clarence Roy Openshaw
John William Ovitz
Samuel Goodall Panter, Jr.
Ora Levant Pelton
John Robert Pence
Casper Whittle Pond
Clyde Edward Prudden
Otto J. Rabe
Fred Merton Ray
Emory Chester Rebman
Harry James Relihan
Samuel Herbert Richman
William Harrison Roberson
Ernest Morris Seydell
William Elsworth Shackelton
George Hermann Simon
Arthur Christian Slinde
Peter Thomas Spurck
Robert Wilson Stearns
Arthur Blaise Supple
Charles Henry Sutherland
Charles Joseph Swan
Louis Szekely
Lawrence Chatfield Towne
Isidore Michael Trace
Frank Miller Trimmer
Frank Fillion Trombly
Frank Cline Vanatta
Roscoe Samuel Van Pelt
John Jacob Verdenius
Benjamin Newton Wade
Cornelius Walter Wall
Charles Jones Welker
Charles Elmo Whipps
Seward White
Herbert Lewis Williams
Louis Harry Wolf
Hyrum Smith Woolley
Ralph Eugene Worrell

BACHELOR OF LAWS

Walter Arnold Amberg
Hiram Wells Andrews
Earl Caspar Arnold
Lewis Arthur Bain
George Aldrich Basta
Frank M. Beatty
Charles Bednorz
Aleck L. Bernstein
Guy Minnich Blake
Joseph Boosel
Leroy D. Butler
Robert Otto Butz
Harvey Clarence Carbaugh
Allan John Carter
Ralph Edwin Church
James Mansfield Cleary
Charles Lawrence Cobb
Norris Elliott Crull
John Lefler Davidson
Walter Rogers Deuel
Willard Jerome Dixon
Benjamin Epstein
James Turner Fales
Frederick O. Floberg
Herbert Spencer Foreman
Samuel Harvey Gilbert
Frederick Otto Ferdinand Grimm
Harvey Gross
John Lewis Gust
Harry Clyde Hanson
Melvin M. Hawley
Ralph Reynaud Hawxhurst
Miley Elias Hotchkiss
Hugh Alexander Howison
Robert Leon Huttner
Alfred Abraham Isaacs
Lake Jones
Frank Jordan
W. Rufus Kendall
Henry Delany Lewis
Elmer Martin Liessmann
Louis Llabres
Torrance Hugh MacDonald
Simon Broderick McDonnell, Jr.
Donald Fraser McPherson
Jacob Hart Marx
Abram Lincoln Myers
Robert Donald Neely
John Prendergast
Richard Prendergast
John William Riley
Theodore Schmidt
Nathaniel Schooler
Ernest U. Schroeter
James Alexander Shaffer
Josef Taylor Skinner

Emory James Smith
Kenneth David Steere
William G. Thon
Frederic Ullmann, Jr.
Walter Scott Underwood
Hugo Eugene Varga
Maurice Eschner Vasen
Rolland Morris Wagner
Otis Harvey Waldo, Jr.
Rudolph C. Weichbrodt
James Barney Wescott
Oscar Sylvanus Wilson
Gustave Wittmeyer, Jr.
Edwin C. A. Zimmerer

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Ernest Harlan Coburn
Matthew Marion Finlay
Andrew Gerard Frericks
Marcelino Mendoza Gallardo
James Patrick Galligan
Philip Emile Jameson
Frank Ray King
Loyd August King
Max William Kolb
Louis I. Schwerdt
John Calhoun White
Guy Kenneth Wold
Roy Ernest Zobel

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Arthur Stanley Arnold
Jose Policarpio Bantug
James Warren Beless
Paul Adolph Brecht
Charles Arthur Cotton
Charles Raymond Crain
Glenn Griffin Dewey
John M. Dodd
Matthew Marion Finlay
Chauncey William Gaeth
James Patrick Galligan
Walter Edgar Green
Charles Bernard Holmes
Arthur W. Huff
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Walter I. McElrath
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William C. Schulze
Melvin Dale Sweetland
Neil Williamson Tarbell
Clifford H. Terry
Walter S. Wagner
Daniel Clark Watson
Leslie Harwood Wire
Guy Kenneth Wold

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Oscar Theodore Bergum
Axel Bernhard
Joseph Bernstein
Carl Louis Bertram
George Montgomery Blair, Jr.
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Edwin Hoffman Botkin
Carver Rollins Brown
Thomas Perry Bullard
Wesley Pierson Burke
Laurence Allen Cates
Earle Armour Clevidence
Christian John Dahle
Albert Victor Dallow
William Thomas Dawson
Louis Henry DeKrauze
Frank George Desmond
Ernest Oscar Dietrich
Oscar Dietz
John Francis Dillon
John Kirkwood Donaldson

Michael David Donovan
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Ernst Sune Ekstrom
John Frederick Fietsch
Paul D. Fridd
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Ernst Carl Theodore Huttmann
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Gareld Bosworth Jensen
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Willard B. Johnson
William Fred Kallaus
Morris Mayer Kerr
Mary Elizabeth King
Theodore Stephen Kral
Archie Clayton Laing
Stanley Douglas Christy Lee
Elmer Victor Lindberg
John Eugene Long
Arthur Garfield Loomis
James Edward Lucia
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Ellery Ashley McDonald
Edward McGovern
Charles Weimor McKenna
Augustus Arvis Marquess
Albert Roy Messick
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Arthur Reginald Mitchell
Norman Lambert Mitchell
Walter Arthur Moore
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Lucian Leo Noyes
Thomas Guy O'Hara
Sigurd Harold Ohtness
Charles Moreton Olson
Ralph Eugene Penney
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Edward Rollo Pihlfeldt
Robert William Reed
William Edmund Reid
Evan Greene Richards
James Henry Ross
Oscar Sandstrom
Milton Dale Schwartz
Cyril Sharp
William Edward Snow
Leonard Clay Snowden
William John Stiehl
G. Guy Stirling
Roscoe Leaton Stout
Corliss Samuel Toay
Louis Llewellyn Vosper
Hans Walder
Lee Roy Walston
Charles Henry Welter
Norman Walter White
Paul George White
Joel Osgood Wilder
Louis Clarence Winzeler

BACHELOR OF MUSIC

Carl Milton Beecher

GRADUATE IN MUSIC

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Daisy Melvin
Clara Grace Neely
Mildred Gates Nichols
Walter Allen Stults

DIPLOMA FOR MUSICAL PROFICIENCY

Ida Emogene Mercer

GRADUATE NURSE, MERCY HOSPITAL

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Mary Boucher
Dixie Cogdell
Mabel Alice Foley
Mary Beatrice Green
Mary G. Hannon
Alice M. Hefferman
Mary Agnes Horan
Louise Kilroy
Sister Mary Osmand King
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Leona Teresa Moore

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Catherine Alberta Rellis
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Reba E. Shaefer
Rose Jane Shields
Maisie Gertrude Smith
Clara Stewart Tepfer
Martina Barbara Theiss
Anna M. Tieken
Marjorie Tyler
Clara Zaffke

GRADUATE NURSE, WESLEY HOSPITAL

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Charlotte Armstrong
Anna Autenreith
Mildred Banker
Edith California Beard
Mabel Esther Budgett
Catherine Naomi Davies
Elenore Georgine Erb
Jennie Margaret Gibbs
Marguerite May Hostetter
Minnie Myrtle Johnson
Sadie Elizabeth LeFevre
Jessie Popham Lenocker
Gertrude O'Neill
Grace Pascoe
Grayce Greenwood Welch
Etta Amanda Wetzel

Summary

Officers and Faculty

Trustees		43
Officers of Administration		26
Faculty		438
College of Liberal Arts	88	
Medical School	156	
Law School	19	
College of Engineering	13	
School of Pharmacy	15	
Dental School	35	
School of Music	26	
School of Commerce	15	
School of Oratory	9	
Preparatory Schools	46	
Theological Schools	16	
Total		507
Total, exclusive of duplicates		572

Degrees Conferred, 1909

Honorary Degrees, Total		6
Doctor of Laws	2	
Doctor of Divinity	1	
Doctor of Literature	1	
Master of Arts	1	
Master of Laws	1	
Degrees in Course, Total		544
Doctor of Philosophy	1	
Master of Arts	25	
Master of Science	5	
Bachelor of Arts	86	
Bachelor of Science	47	
Doctor of Medicine	170	
Bachelor of Laws	70	
Pharmaceutical Chemist	14	
Graduate in Pharmacy	41	
Doctor of Dental Surgery	84	
Bachelor of Music	1	

Forward		550
Diplomas Awarded, Total		51
Graduate in Music	5	
Diploma in Music	1	
Graduate Nurse	45	
Total		597
Total, exclusive of duplicates		586

Register of Students, 1908-1909

College of Liberal Arts		1079
Graduate students	82	
Undergraduate students	858	
Extension courses	49	
Registered in other Schools of the University	90	
Medical School		658
Law School		322
School of Pharmacy		156
Dental School		269
School of Music		384
School of Commerce		255
School of Oratory		148
Preparatory Schools		1044
Theological Schools		251
Total, exclusive of duplicates		4471

Register of Students, 1909-1910

College of Liberal Arts			956
Graduate Students		84	
Fellows	10		
Resident Graduate Students	69		
Non-Resident Graduate Students	5		
Undergraduate Students		872	
Candidates for Degrees	797		
Not Candidates for Degrees	55		
Summer School	20		
Medical School			565
Fourth Year	150		
Third Year	157		

Forward		1521
Second Year	80	
First Year	69	
Matriculates not in attendance	10	
Unclassified Students	8	
Special Students	6	
Training School for Nurses	85	
Law School		333
Third Year	68	
Second Year	67	
First Year	110	
Course in General Practice	56	
Graduate Students	3	
Special Students	9	
Course in Patent Law	20	
College of Engineering		57
School of Pharmacy		217
Second Year	77	
First Year	115	
Special Students	25	
Dental School		346
Third Year	104	
Second Year	101	
First Year	105	
Special Students	22	
Course for Practitioners and Graduates	14	
School of Music		338
Regular Students	197	
Special Students	141	
School of Commerce		314
School of Oratory		224
Graduate Students	12	
Seniors	66	
Juniors	82	
Special Students	64	
Garrett Biblical Institute		174
Graduate Students	4	
Candidates for a Degree	58	
Third Year	17	
Second Year	21	
First Year	20	

Forward		3524
Candidates for a Diploma	90	
Third Year	26	
Second Year	31	
First Year	33	
Special Students	22	
Swedish Theological Seminary		24
Fourth Year	6	
Third Year	6	
Second Year	6	
First Year	6	
Norwegian-Danish Theological School		8
Preparatory Schools		1008
Evanston Academy	578	
Grand Prairie Seminary	216	
Elgin Academy	144	
School of Music	70	
Total		4564
Total, exclusive of duplicates		4487

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